

LETTER OF TRANSMITTAL

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To: Mr. Bruce Michaels								RUARY 7, 2012 . No:74-090095	
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Report

Phase I Environmental Site Assessment 863 Seventh Street NW Grand Rapids, Michigan

Bruce Michael GR School Lofts, LLC 3270 Coolidge Highway Berkley, MI 48072

NTH Project No. 74-090095-18 February 6, 2012





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1.0 EXECUTIVE SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) for the 863 Seventh Street NW property (Stocking Elementary School) in Grand Rapids, Michigan. A map showing the location of the Stocking Elementary Property is included as Figure No. 1 in Appendix A. The Stocking Elementary Property is approximately 3.7 acres in size and contains a large "U" shaped building in the southeast portion of the property. A small outdoor bathroom facility is located on the playground. A large grassy area is present on the northwest portion of the property. A playground, including various pieces of playground equipment and a small wading pool, is located in the southwest portion of the property.

1.1 Phase I ESA Summary and Conclusions

The Phase I ESA study was performed in accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-05 and MSHDA's 2011 Environmental Review Requirements. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Stocking Elementary Property except for the following:

Based on the Sanborn Maps, former residential dwellings were located at the Property. No structural or demolition records for the former buildings could be obtained from reasonably ascertainable historical records. It is unknown if the former buildings had basements. If basements were present, then the environmental nature and origin of the fill soil used to backfill the basement excavations is unknown.

1.2 Identified Data Gaps

Data failure was experienced in determining uses of the Stocking Elementary Property prior to 1895 (i.e., the date of the earliest historical data available). The Stocking Elementary Property was residential in 1895; given the information obtained for the Stocking Elementary Property since that time, in our professional opinion, usage prior to 1895 is unlikely to have an environmental impact on the Stocking Elementary Property.

Additionally, a data gap from 1914 to 1923 was encountered during this study; this data gap is not expected to change the outcome of this report.



1.3 Identified Liens or Activity Use Limitations

No environmental liens or activity use limitations have been identified in relation to the Stocking Elementary Property.

The Executive Summary should not be reviewed separately from the remainder of the report. The Executive Summary provides an overview and is not a substitute for a thorough review of the entire report.

2.0 INTRODUCTION

NTH Consultants, Ltd. (NTH) was retained by the City of Grand Rapids to conduct the Phase I Environmental Site Assessment (ESA) of the Stocking Elementary Property located in Grand Rapids, Michigan. A map showing the location of the Stocking Elementary Property is included as Figure 1 in Appendix A. The Stocking Elementary Property is 3.7 acres in size, rectangular in shape, and contains one large "U" shaped building, including a basement, utilized as an elementary school and a small outdoor bathroom facility on the playground. A playground, including various pieces of playground equipment and a small wading pool, is located in the southwest portion of the property. A large grassy area is present on the northwest portion of the property. Figure 2 in Appendix A shows the current features and building location on the Stocking Elementary Property.

The Phase I ESA was prepared on behalf of City of Grand Rapids, Grand Rapids School Lofts, LLC and Michigan State Housing Development Authority. The Phase I ESA was performed through a Brownfield Assessment Grant that the City of Grand Rapids received from the U.S. Environmental Protection Agency.

NTH conducted this Phase I ESA study in accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-05, entitled: "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." and MSHDA's 2011 Environmental Review Requirements.



2.1 Purpose

The objective of the Phase I ESA was to provide the authorized users of this report with an independent opinion regarding recognized environmental conditions, if any, associated with the Stocking Elementary Property. According to ASTM Practice E 1527-05, Section 1.1.1, the term recognized environmental condition (REC) means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the Stocking Elementary Property or into the ground, groundwater, or surface water of the Stocking Elementary Property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

2.2 Detailed Scope of Services

This Phase I ESA study included the following scope of services:

- A visual survey of the Stocking Elementary Property and accessible portions of the existing buildings was performed to identify areas of potential environmental concerns or RECs. Color photographs were taken to document site conditions at the time of the site reconnaissance. These photographs are presented in Appendix B.
- The neighboring properties were visually observed to assess whether surface conditions or activities
 on these properties may have an adverse environmental impact on the Stocking Elementary
 Property. An attempt was made to determine the previous uses of the adjacent properties through
 review of information compiled.
- A land use history of the Stocking Elementary Property, approximately 116-years was developed.
- Readily available published information was collected and reviewed relating to general geology,
 hydrogeology and topographic setting for the Stocking Elementary SW Property.



- A regulatory agency file search was performed to identify Federal and State-listed sites of known or
 potential environmental concerns located within the minimum search distances from the Stocking
 Elementary Property, as specified in the ASTM Practice E 1527-05.
- Local governmental agency personnel were contacted to determine their knowledge of reported environmental incidents at or in the immediate vicinity of the Stocking Elementary Property.

This assessment did not include any sampling or testing of soil or groundwater from the Stocking Elementary Property or buildings.

2.3 Significant Assumptions

During the course of this study, various documents and other information published by and obtained from private organizations, as well as Municipal, State and Federal regulatory agencies have been relied upon. No independent verification or confirmation of the accuracy of this information has been performed. Additionally, information provided by the property owner and prospective purchaser/authorized user was presumed to be factual, unless written documentation was available indicating otherwise.

2.4 Limitations and Exceptions

The evaluations and opinions presented in this report have been made to assist the authorized users in making a reasonable assessment of risk with respect to the presence of possible environmental concerns at the Stocking Elementary Property. This study has been performed in accordance with a standard of care and diligence, which is considered to be representative of the local environmental engineering practice at the present time.

The evaluations and opinions presented in this report are based on the scope of services defined herein, and should not be misconstrued as those pertaining to a formal environmental compliance audit. The results of this investigation cannot be construed as a certification of the absence of any contaminants on the Stocking Elementary Property, but rather a diligent and prudent review of available data within an established work scope, and time and budgetary constraints.



The following limiting conditions were encountered during the site reconnaissance:

- Stored items on the floor surface obscured complete visual observations.
- Roof was not accessed.

2.5 Special Terms and Conditions

The services for this Phase I ESA were performed in accordance with NTH's contract with the City of Grand Rapids. Said contract in no way limits or affects the findings made in favor of the intended users herein.

2.6 User Reliance

This report is intended for the exclusive use of the City of Grand Rapids, GR School Lofts, LLC, and Michigan State Housing Development Authority. This report presents NTH's opinion of the Stocking Elementary Property as of this date, based on the results of this study and on the information provided during the course of the study. The results of this study may not be relied upon by parties other than those identified above without the prior knowledge and written consent of NTH.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The Stocking Elementary Property is located in the SE quarter of the NE quarter of Section 23, Township 7 North, Range 12 West, Kent County, Grand Rapids, Michigan. The parcel number is 41-13-23-284-011. A map showing the location of the Stocking Elementary Property is presented as Figure 1 in Appendix A of this report. Figure 2 in Appendix A shows the current features and building location on the Stocking Elementary Property. Figure 2 was generated from an aerial of the property obtained from the Google™ Maps website.

A copy of the legal information obtained from the Grand Rapids Assessor's Offices is included in a General Property Information document, a copy of which is included in Appendix A.



3.2 Site and Vicinity Characteristics

Stocking Elementary Property is 3.7 acres in size, rectangular in shape. The property contains one large "U" shaped building, containing a basement, utilized as an elementary school with a small outdoor bathroom facility on the playground. The playground, including various pieces of playground equipment and a small wading pool, is located in the southwest portion of the property. A large grassy area is present on the northwest portion of the property. The remainder of the Stocking Elementary Property is covered by asphalt paving or sidewalk. The Stocking Elementary Property is located in a mixed commercial and residential use area, in the City of Grand Rapids. Fremont Avenue NW and Jennette Avenue NW border the Stocking Elementary property to the west and east respectively with residential properties just beyond those. Seventh Street NW borders the Stocking Elementary property to the south with commercial properties present across the street. Residential properties adjoin the Stocking Elementary Property to the north. An aerial photograph showing the Stocking Elementary Property and immediately surrounding areas is included as Figure 2 in Appendix A.

3.3 Current Uses of the Property

At the time of the Phase I ESA study, the Stocking Elementary Property was unoccupied.

3.4 Description of Existing Structures, Roads and Other Improvements

The Stocking Elementary Property contains one main structure and a small outdoor bathroom facility. The exact date of construction for the buildings is unknown but is believed to be 1923 (Owner Questionnaire). The main structure is brick masonry and is approximately 20,400 square feet. The Stocking Elementary Property is bordered on the west by Fremont Avenue, Jennette Avenue to the east and Seventh Street to the south. Residential properties are present to the east, west, and north while commercial properties are present to the south.

The school structure originally utilized coal for heat and later converted to natural gas at an unknown date. During the site walk, the area where coal was used was observed to be clean and free from evidence of damage. Because of the orderly appearance of the area, it was not considered an environmental concern.



3.5 Current Uses of Adjoining Properties

NTH conducted a visual survey of the adjacent properties to identify activities that may represent potential off-site sources of contamination that could environmentally impact the Stocking Elementary Property. The adjacent properties were observed and identified from the boundaries of the Stocking Elementary Property and readily accessible public rights-of-way. Observed land uses in the immediate vicinity of the Stocking Elementary Property are listed below:

Locations	Features	Environmental Concerns
North	Residential property	None observed
East (Across Jennette Ave)	Residential property	None observed
South (Across Seventh St)	Residential and Commercial property – Westside Garage	Potential Auto Service
West (Across Fremont Ave)	Residential property	None observed

For ease of reference, the locations of above-mentioned properties are shown on Figure 2 in Appendix A.

4.0 USER PROVIDED INFORMATION

NTH's Phase I ESA User's Questionnaire was sent to Bruce Michael, user representative, from GR School Lofts, LLC. A copy of the completed questionnaire and additional user provided information, including the site development plan, can be found in Appendix C.

4.1 Title Records

Title records for the Stocking Elementary Property were not provided to us during the study. Instead, NTH reviewed other sources (i.e., historical Sanborn maps, city directories, aerial photographs, topographic maps, municipal records, and etc.) to determine historical uses of the Stocking Elementary Property.

4.2 Environmental Liens and Activity Use Limitations

Information obtained from Michigan Department of Environmental Quality (MDEQ) Remediation Division website indicated that no environmental liens are recorded against the Stocking Elementary Property.



4.3 Specialized Knowledge

Specialized knowledge of asbestos on the Stocking Elementary Property was provided during this ESA.

4.4 Commonly Known or Reasonably Ascertainable Information

Mr. Michael was unaware of processes or chemicals used by former occupants of the property or adjoining property.

4.5 Valuation Reduction for Environmental Issues

Mr. Michael was unaware of any value reductions to the Stocking Elementary Property due to environmental issues.

4.6 Owner, Property Manager and Occupant Information

The Stocking Elementary Property is currently owned by Grand Rapids Public Schools and is unoccupied.

4.7 Reason for Performing the Phase I ESA

The reason for performing the Phase I ESA was to provide the authorized users of this report with an independent evaluation of the environmental risks associated with the Stocking Elementary Property and to qualify for the limited liability protection from the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

5.0 RECORDS REVIEW

NTH reviewed various records to determine (1) the potential risk to the Stocking Elementary Property from on-site and off-site sources of environmental concern; (2) the local geology and hydrogeology of the area; (3) historical uses of the Stocking Elementary Property; and (4) historical uses of adjacent properties. These records were reviewed to help identify RECs, if any, associated with the Stocking Elementary Property.



NTH reviewed readily available regulatory information to assess the possible risk for environmental liabilities at the Stocking Elementary Property from regulatory action, documented hazardous material spills, or documented hazardous waste disposal at the Stocking Elementary Property or nearby properties (i.e., properties located within ASTM-specified search distances from the subject site). This information was obtained from: (1) a review of information included in the EDR-Radius Map report for the Stocking Elementary Property, (2) a review of pertinent files from the MDEQ, and (3) information obtained from the local environmental health and fire departments (see Section 5.2).

5.1 Standard Environmental Record Sources

Environmental Data Resources, Inc. (EDR), a private environmental information agency, was retained to perform a regulatory agency database search to evaluate the possible presence of federal and state-listed sites of known or potential environmental concerns that may be located within the minimum search distances from the Stocking Elementary Property. As specified in Section 8.2.1 of ASTM Practice E 1527-05, search distances for various record sources generally range from adjacent sites to sites located up to one mile away. A list of the state and federal databases researched by EDR for the current study, along with the respective search distances and a brief description of each database are presented in the EDR report. A copy of the EDR Report, dated December 6, 2011, is included in Appendix D of this report.

The EDR report identified and plotted 31 sites in the vicinity of the Stocking Elementary Property. The EDR Report also identified 27 orphan sites. The orphan sites could not be plotted by EDR on a map due to lack of proper addresses or other pertinent information required for precise computer plotting. As such, the properties could only be located within the city, county or zip code area of the Stocking Elementary Property.

The following tables summarize select databases searched, the search distances, and the number of sites found within the ASTM-specified search radius for each selected database.



For a full summary of the databases searched refer to the EDR report in Appendix D:

FEDERAL DATABASES	SEARCH RADIUS (in miles)	NUMBER OF SITES WITHIN RADIUS
National Priorities List (NPL) - Identifies the nation's most hazardous sites that warrant further investigation. Sites are first identified as a CERCLIS Site and the degree of contamination determines whether the site will be included on the NPL. Also known as Superfund.	1.0	0
Proposed NPL - Sites are published in the federal register prior to final inclusion in the NPL and are listed as proposed NPL sites.	1.0	0
Delisted NPL – Sites deleted from the NPL where no further response is appropriate.	1.0	0
Comprehensive Environmental Response. Compensation. Liability Index System (CERCLIS) - Compilation of properties that the EPA has identified as having actual or suspected releases of contamination. The sites are reported to the EPA through states, municipalities, and private companies/citizens. Each site undergoes a series of reviews that determine the severity of the contamination from the discovery and preliminary assessment to the site inspection and the hazard ranking system, which will determine whether the site will be included on the NPL.	0.5	0
<u>CERCLIS No Further Remedial Action Planned (CERC-NFRAP)</u> - CERCLIS Sites where no further remedial action is planned at the federal level.	0.5	0
<u>Corrective Action Report (CORRACTs) List</u> - Includes hazardous waste handlers with RCRA corrective action activities.	1.0	0
Resource Conservation Recovery Act (RCRA) Treatment Storage and/or Disposal (TSD) Facilities - RCRA provides for the cradle to grave management of hazardous wastes by regulating the operations of those who operate treatment, storage or disposal facilities.	0.5	0
RCRA Large Quantity Generator (LOG) - RCRA provides for the management of properties that generate more than 1,000 kilograms of hazardous waste or over 1 kilogram of acutely hazardous waste per month.	0.25	0
RCRA Small Ouantity Generator (SOG) - RCRA provides for the management of properties that generate more than 100 kilograms and less than 1,000 kilograms of hazardous waste.	0.25	0
RCRA Conditionally Exempt Small Ouantity Generator (CESOG) - RCRA provides for the management of properties that generate less than 100 kilograms of hazardous waste or less than 1 kilogram of acutely hazardous waste per month.	0.25	1
RCRA Non-Generators (NonGen) – Non-generators do not presently generate hazardous waste, but may have in the past.	0.25	1
<u>Brownfields</u> – List of brownfields properties addressed by Cooperative Agreement Recipients and/or Targeted Brownfields Assessments	0.50	0



FEDERAL DATABASES	SEARCH RADIUS (in miles)	NUMBER OF SITES WITHIN RADIUS
Emergency Response Notification Sites (ERNS) List - Records information about reported releases of hazardous substances and/or petroleum products. These sites are maintained by the EPA and the MDEQ.	Property	0

STATE DATABASES	SEARCH RADIUS (in miles)	NUMBER OF SITES WITHIN SEARCH RADIUS
State Hazardous Waste Sites (SHWS) - Known as Part 201 Sites in Michigan, SHWS are Michigan's equivalent to CERCLIS. The sites are reported to the State through municipalities, private companies/citizens. The State has developed a numerical ranking model for determining the present and potential hazard that each site poses to public health, safety, welfare and/or the environment. Each site is scored using this model once identified and annually thereafter.	1.0	5
State Landfill and/or Solid Waste Disposal Site List - Part 115 of Act 451, as amended, regulates and maintains an inventory of solid waste disposal facilities or landfills.	0.5	0
Leaking Underground Storage Tank (LUST) List - Part 213 of Act 451, as amended, regulates and details the corrective action required due to releases from leaking USTs. Part 213 also prescribes the powers and duties of certain State agencies and officials, and provides penalties and remedies.	0.5	7
<u>Underground Storage Tank (UST) List</u> - Part 211 of Act 451, as amended, regulates certain UST systems, requires the registration of certain UST systems, prescribes the powers and duties of certain state and local agencies and officials, imposes fees, and prescribes penalties and remedies.	0.25	3
Above Ground Storage Tank (AST) List – Listing of registered ASTs	0.25	1
Baseline Environmental Assessment (BEA) List - Sites which have been identified as a facility and have submitted a BEA to MDEQ.	0.5	11
<u>Brownfields</u> – BEA or leaking UST sites which have been redeveloped by private entities using the BEA process.	0.5	0
<u>Dry Cleaners</u> – State registered/inspected dry cleaning establishments.	0.25	0

OTHER DATABASES	SEARCH RADIUS (in miles)	NUMBER OF SITES IN REPORT
EDR Manufactured Gas Plants – Former manufactured gas plants	1.0	0



Following review of the EDR report, a drive-through reconnaissance of the area was conducted to confirm the locations of the plotted sites and to locate the orphan sites. The following EDR-identified sites are located in close proximity (i.e., less than one-quarter of a mile) to the Stocking Elementary Property:

- Stocking Elementary (863 7th street NW): This is the Subject Property. This site is listed in the facility index system (FINDS) database. This is not considered a potential environmental concern to the Stocking Elementary Property.
- Mike Wawee & Sons Auto Sales Inc & Waldmiller All-Service (856 7th Street NW): This site is located approximately 230 feet south of the Stocking Elementary Property and is listed in the RCRA-CESQG, underground storage tank (UST) and leaking underground storage tank (LUST) databases. No violations have been found related to the CESQG. According to the EDR Report two 3,000 gallon USTs containing gasoline were removed in 1987. A third 3,000 gallon tank containing kerosene and a 500 gallon tank containing an unknown substance were also removed in 1987. A 500 gallon tank containing used oil was removed in 1995. A confirmed release was reported in 1999 for an unknown substance and was closed in 2000. Based on the closure status, this site is not considered a potential environmental concern to the Stocking Elementary Property.
- North End Transmission Inc. (802 Alpine Ave NW): This site is located approximately 600 feet east
 of the Stocking Elementary Property. This site is listed in the RCRA-NonGen and FINDs databases.
 Based on location and distance, this site is not considered a potential environmental concern to the
 Stocking Elementary Property.
- Van Manen Oil Inc. (5664 Alpine Ave NW): This site is located approximately 1,050 feet southeast of the Stocking Elementary Property and is listed in the UST database. According to the EDR Report three USTs containing gasoline of sizes, 1,000 gallons, 2,000 gallons, and 3,000 gallons were removed in 1987. Based on location, distance, and lack of contaminants identified, this site is not considered a potential environmental concern to the Stocking Elementary Property.



El Matador Tortilla Chips Co (669 Stocking Ave NW): This is located approximately 1,160 feet southeast of the Stocking Elementary Property. This site is listed in the UST and LUST databases. According to the EDR Report an UST of unknown size which formerly contained gasoline was closed in place in 1995. The confirmed release was submitted in May of 1995 and closed in August 1995. Based on the closure status, this site is not considered a potential environmental concern to the Stocking Elementary Property.

Based on the locations of the other sites being cross and/or down gradient from the Stocking Elementary Property with respect to potential groundwater flow direction (east/northeast), the "closed" status of reported releases and/or the prevailing subsurface conditions in the area, these additional sites are not expected to have an additional negative environmental impact on the Stocking Elementary Property.

5.2 Additional Environmental Record Sources

Local Health Department

A FOIA request for the Stocking Elementary Property was submitted to the Kent County Health Department (KCHD). To date a response has not been received.

Local Fire Department

A FOIA request for the Stocking Elementary Property was submitted to the City of Grand Rapids Fire Department. To date a response has not been received.

Local Building Department

A FOIA request for the Stocking Elementary Property was submitted to the City of Grand Rapids Building Department. To date a response has not been received.

5.3 Physical Setting Sources

The physical setting sources for the Stocking Elementary Property were determined based on a review of readily available published information and visual observations made during the visual survey. As described in the following subsections, the physical setting includes a general summary of topography, soil, hydrology, hydrogeology, and related attributes.



5.3.1 Topography

Information on the topography of the Stocking Elementary Property was obtained from the USGS "Grand Rapids West, Michigan" topographic map. Based on this map, the Stocking Elementary Property exhibits a sharp high to low slope change west of the Stocking Elementary property along Fremont Ave NW. East of the slope change elevations level out and are maintained around 600ft. According to the EDR Report the Stocking Elementary Property has an approximate USGS elevation of 621 feet above mean sea level.

5.3.2 Soil

NTH obtained records from the MDEQ Water Well Viewer a potable water supply well database for the closest nearby well (approximately one miles southwest). The log indicated the subsurface soils were comprised of varying layers of sand and clay to an explored depth of 113 feet below ground surface.

5.3.3 Hydrology

No surface water bodies were observed at or in the immediate vicinity (i.e., adjacent) of the Stocking Elementary Property. The Grand River is located approximately three-quarters of a mile to the east. According to the EDR report, which searched the FEMA database, the Stocking Elementary Property is not located within a flood zone.

5.3.4 Hydrogeology

Based on information contained in the EDR Report for nearby properties, the depth to groundwater is less than 15 feet bgs and the groundwater flow is estimated to be in a general east/northeast direction.

5.3.5 Oil and Gas Wells

According to information provided in the EDR report, no oil or gas wells are located in close proximity (one mile) to the Stocking Elementary Property.

5.4 Historical Use Information on the Property

In accordance with Section 8.3 of ASTM E 1527-05, a historical search was conducted to determine the previous uses of the Stocking Elementary Property. Only historical sources, which could be reasonably ascertained and judged likely to be useful, were obtained and reviewed during the current study. The following sections present the results of the historical searches conducted during this study.



5.4.1 Information Provided by the Property Owner

According to the City of Grand Rapids Assessing records, the Stocking Elementary Property is owned by Grand Rapids Public Schools. NTH's Phase I ESA Owner's Questionnaire was submitted to Mr. Rich Natte who indicated that he had no additional knowledge of any environmental issues at the Property.

5.4.2 Local Governmental Agency Records

Records obtained from the City of Grand Rapids Assessor's website identified the Stocking Elementary

Property as one parcel with a total of approximately 3.7 acres with a street address of 863 Seventh Street NW.

The parcel number is 41-13-23-284-011. The City of Grand Rapids assessing records are included in Appendix A.

5.4.3 City Directories

NTH retained EDR to conduct a review of available city directories in approximately five-year intervals dating back to 1914 (i.e., the date of the earliest directory) for the Stocking Elementary Property occupants to determine past uses. Copies of the available city directories are in Appendix E. The following tables contain information on past property occupants.

	863 Seventh St NW				
Year	Occupant				
1914	Residential (Directory does indicate "s e cor Stocking School" where Jennette Ave begins and Stocking Ave ends)				
1919	Residential				
1941 - 2006	Stocking School (listed as Stocking Elementary School in 1995)				

5.4.4 Sanborn Fire Insurance Maps

NTH retained EDR to conduct a search of Sanborn fire insurance maps for the Stocking Elementary Property. Sanborn maps are primarily used by insurance companies to assess fire risks, and when available for a particular property, they can provide relevant information about the history of the property.



Seven (7) maps covering the Stocking Elementary Property and adjacent properties, dated 1895, 1913, 1950, 1953, 1965, 1968 and 1984 were provided by EDR. Copies of these maps are included in Appendix F. A summary regarding the identified past property uses is in the following table:

Year	Observed Features
1895	Residential (813 Jennette Ave), Residential with additional residential structure and shed (813 Jennette Ave), Residential (863 7th Street)
1913	Similar features as depicted on the 1967 Sanborn Map; however there is no shed present on the 813 Jennette Ave residence.
1950-1984	Residential structures are no longer present. Large structure in southeast portion of property labeled Stocking Ave Public School.

5.4.5 Aerial Photographs

NTH obtained copies of historical aerial photographs dated 1938, 1950, 1960, 1967, 1978, 1993, 1997, 1999, 2005 and 2006 from EDR. These aerial photographs were reviewed to determine past uses and changes in surface features that might indicate possible environmental concerns. Copies of the EDR aerial photographs are included in Appendix G.

The scales on the aerial photographs range from 1'' = 500' to 1'' = 600' and the visual clarity varies from poor to very good. Thus, certain photographs did not clearly identify all the surface features at the Stocking Elementary Property. Review of the referenced aerial photographs is summarized in the following table:

Year	Scale	Features
1938	1"= 500'	Large U shaped structure in the southeast portion of the Property, similar to current main building structure. No other features were discernible.
1950	1"= 500'	Similar features as the 1938 Aerial Photograph.
1960	1"= 500'	Similar features as the 1938 Aerial Photograph.
1967	1"= 500'	Similar features as the 1938 Aerial Photograph.
1978	1"=600'	Similar features as the 1938 Aerial Photograph.
1993	1"=600'	Similar features as the 1938 Aerial Photograph.
1997	unknown	Similar features as the 1938 Aerial Photograph. Two additional rectangular structures north of the U shaped structure.
1999	1"= 500'	Similar features as depicted on the 1997 aerial photograph.



Year	Scale	Features
2005	1"= 500'	Similar features as depicted on the 1997 aerial photograph. Two additional structures north of the U shaped structure. Structures are approximately same size as other two rectangular structures and are in a linear pattern (east to west).
2006	1"= 500'	Similar features as depicted on the 2005 aerial photograph.

^{*} Features on aerial photograph obtained from Google earth resemble the 2006 aerial photograph from EDR, but the four structures north of the U shaped structure are no longer present.

5.4.6 USGS Topographic Maps

USGS topographic maps were reviewed to determine past uses of the Stocking Elementary Property. The referenced maps depict the Stocking Elementary Property in the general urban setting of the City of Grand Rapids. Maps from 1967, 1972, 1981, and 1996 display a U shaped building labeled "Stocking Sch" on the Stocking Elementary Property. Copies of the EDR historic topographic maps are included in Appendix H.

5.4.7 Past Use Summary

The historical research to determine the past uses of the Stocking Elementary Property was conducted in accordance with Section 8.3 of the ASTM Practice E 1527-05. The following table summarizes the past uses of the Stocking Elementary Property:

Year	Past Uses for the Property	Sources
1895 - 1914	Residential	Sanborn Maps and City Directories
1923 - 2006	School	Owner Questionnaire, City Directories, Sanborn Maps, and Aerials
2011	School	Site Walk



5.5 Historical Use Information on Adjoining Properties

Past uses of adjacent properties, as determined through a review of the previously referenced historical aerial photographs and Sanborn maps, are summarized as follows:

Year	Source	North	East (Across Jennette Ave)	South (Across 7 th St.)	West (Across Ionia Street)
1895	Sanborn	Residential	Residential	Residential/School	Residential
1913	Sanborn	Residential	Residential	Residential/School/ Commercial – Juvenile Home/Machine Shop	Residential
1938	Aerial	Features Indiscernible	Features Indiscernible	Features Indiscernible	Features Indiscernible
1950	Sanborn	Residential	Residential/Commercial – Dry Cleaning	Residential/Commercial- Filling Station & Auto Repair	Residential
1950	Aerial	Features Indiscernible	Features Indiscernible	Features Indiscernible	Features Indiscernible
1953	Sanborn	Residential	Residential/Commercial – Dry Cleaning	Residential/Commercial- Filling Station & Auto Repair	Residential
1960	Aerial	Residential	Residential	Commercial	Residential
1965	Sanborn	Residential	Residential	Residential/Commercial- Filling Station	Residential
1967	Aerial	Residential	Residential	Commercial	Residential
1968	Sanborn	Residential	Residential	Residential/Commercial- Filling Station	Residential
1978	Aerial	Commercial	Commercial	Residential	Commercial
1984	Sanborn	Residential	Residential	Residential/Commercial- Filling Station	Residential
1993	Aerial	Residential	Residential	Commercial	Residential
1997	Aerial	Residential	Residential	Commercial	Residential
1999	Aerial	Residential	Residential	Commercial	Residential
2005	Aerial	Residential	Residential	Commercial	Residential
2006	Aerial	Residential	Residential	Commercial	Residential



6.0 SITE RECONNAISSANCE

A site reconnaissance of the Stocking Elementary Property was conducted to observe for surface features indicative of potential environmental concerns or RECs.

6.1 Methodology and Limiting Conditions

A visual survey of the Stocking Elementary Property was conducted on December 8 2011 by Mr. Steve Crider of NTH. The property manager, Mr. Rich Natte provided access to the Stocking Elementary Property.

During the survey, the Stocking Elementary Property was observed for evidence of potential environmental concerns or RECs such as stressed vegetation, stained surface soil, and improper waste disposal practices. Furthermore, land use in the immediate vicinity of the Stocking Elementary Property was also determined.

The visual survey was conducted by walking the interior of the building and the perimeter of the Stocking Elementary Property, and randomly traversing the Stocking Elementary Property, where accessible.

6.2 General Site Setting

The Stocking Elementary Property is located in a mixed commercial and residential use area of Grand Rapids, Michigan. A map showing the location of the Stocking Elementary Property is presented as Figure 1 in Appendix A of this report. The approximate configuration of the Stocking Elementary Property along with the surrounding properties is shown on Figure 2 included in Appendix A. Color photographs of the Stocking Elementary Property taken during the visual survey are included in Appendix B.

6.3 Exterior Observations

6.3.1 General Observations

The Stocking Elementary Property contains two buildings, a main "U" shaped building previously utilized as an elementary school and a small outdoor bathroom facility on the playground. The school is made of brick masonry while the bathroom facility is a concrete block structure. The courtyard area is a mixture of grass, concrete and asphalt. The grassy area is present in the northwest portion of the property with a small baseball diamond in the northwest corner.



An asphalt parking lot is located adjacent to the north side of the school. The playground, including various pieces of playground equipment and a small wading pool, is located on the west side of the property.

6.3.2 Storage Tanks

NTH did not observe any visual evidence of vent pipes, fill ports or any other UST or above ground storage tanks (ASTs) components at the Stocking Elementary Property.

6.3.3 Polychlorinated Biphenyls (PCBs)

The Stocking Elementary Property was surveyed to identify liquid-cooled electrical units, such as transformers and capacitors. These types of units are of possible concern because they may be potential PCB sources. PCB units may subject the owner/operator to various regulatory requirements under Toxic Substances Control Act (TSCA). The release of PCB fluids or their combustion products (in case of spill or fire) are potential environmental liabilities and may require costly remediation. One pole-mounted electrical transformer was noted near the Stocking Elementary Property, a "non PCB" label was not observed. The transformer did not appear to be leaking.

6.4 Interior Observations

A walk-through survey of the accessible portions of the existing buildings was performed to observe interior conditions.

6.4.1 General Observations

Stocking Elementary school is a two story building "U-Shaped" building with the bottom of the "U-Shape" on the south side of the Property. The east and west side of the "U-Shaped" building contained classrooms on the first and second floors. The bottom of the "U-Shaped" building consisted of a basement, first and second floors (classrooms, gym and kitchen) and an attic. The basement contains a heating system that consists of boiler, a compressor and a condensate return tank and an intact former concrete coal bunker that has been cleaned and painted and is now used for storage. The attic area contains heating/cooling ducts, fans and other equipment.



The small building located to the west of the "U-Shaped" building is owned by the city of Grand Rapids; it is bathrooms and a storage room for the City of Grand Rapids Parks department. This building was locked during the site visit.

6.4.2 Fluorescent Lights

Fluorescent light ballasts manufactured prior to 1979 may contain small quantities of PCBs. However, even if the ballasts do contain PCBs, small capacitors (i.e., ballasts) can be disposed of as municipal solid waste (40 CFR Part 761.60(b)(ii)) as long as they are not leaking. During the study, fluorescent light ballasts within the structures were not accessed to determine their PCB status.

7.0 INTERVIEWS

Interviews were conducted with various individuals to determine historical uses of the Stocking Elementary Property and to determine environmental concerns associated with the Stocking Elementary Property.

7.1 Interview with Owner

NTH's Phase I ESA Owner's Questionnaire was submitted to Mr. Rich Natte who indicated that he had no additional knowledge of any environmental issues at the Property.

7.2 Interview with Site Manager

Refer to 7.1.

7.3 Interviews with Occupants

The Stocking Elementary Property is currently unoccupied.

7.4 Interviews with Local Government Officials

Information obtained from local government offices is described in appropriate sections throughout this report.



7.5 Interviews with Others

Information obtained from other entities is described in appropriate sections throughout this report.

8.0 EVALUATION AND REPORT PREPARATION

8.1 Findings

The Stocking Elementary Property contains two buildings, a main "U" shaped building previously utilized as an elementary school and a small outdoor bathroom facility on the playground. The school is estimated to have been built between 1923 while the date of construction of the outdoor bathroom facility is unknown. According to information obtained from the Stocking Elementary Property owner and other historic sources, the Stocking Elementary Property has been utilized for school activities since 1923 (Owner Questionnaire).

Portions of the Stocking Elementary Property historically contained residential structures and it is unclear if the former residences had basements. The potential for urban fill to have been placed in the basements of the former structures during demolition is a REC.

No Historical RECs (HRECs) or de minimis conditions were identified during the current study.

8.2 Opinions

Based on the historical research completed, the Property was utilized for school activities for over 90 years. It is unclear if the former residences had basements. It is NTH's opinion the potential exists for urban fill to have been placed in the basements of the former structures during demolition and may have impacted the subsurface soil and/or water at the Property.

8.3 Additional Investigation

Additional investigation in the form of a Phase II ESA is recommended.



8.4 Data Gaps

Data failure was experienced in determining uses of the Stocking Elementary Property prior to 1895 (i.e., the date of the earliest historical data available). The Stocking Elementary Property was residential in 1895; given the information obtained for the Stocking Elementary Property since that time, in our professional opinion, usage prior to 1895 is unlikely to have an environmental impact on the Stocking Elementary Property.

8.5 Conclusions

NTH has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice 1527-05 of the Stocking Elementary Property located at 863 Seventh Street NW in Grand Rapids, Michigan. Any exceptions to, or deletions from, this practice is described in appropriate sections throughout this report. This assessment has not revealed any evidence of recognized environmental conditions in connection with the Stocking Elementary Property with the exception of the following:

Based on the Sanborn Maps, former residential dwellings were located at the Property (see Figure
 No structural or demolition records on the former buildings could be obtained from reasonably ascertainable historical records. It is unknown if the former buildings had basements. If basements were present, then the environmental nature and origin of the fill soil used to backfill the basement excavations is unknown.

•

In conclusion, additional environmental investigation in the form of a Phase II Environmental Site Assessment is recommended to evaluate the Stocking Elementary Property.

8.6 Deviations

No deviations, deletions or additions from the current ASTM practice, except those noted in Section 9.0, were made during performance of this study.



8.7 References

- American Society for Testing and Materials (ASTM) Designated: E 1527-05 Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process.
- Environmental Data Resources, Inc. (EDR):

EDR Radius Map with GeoCheck;

EDR City Directories;

EDR USGS Topographic Maps;

The EDR Sanborn Map Report; and

The EDR- Aerial Photography Print Services

- Kent County Health Department files
- Michigan Department of Environmental Quality; Remediation Division and Environmental Resource
 Management Division
- City of Grand Rapids Fire Department files
- City of Grand Rapids Assessing Department files
- City of Grand Rapids Building Department files
- Grand Valley Metropolitan Council/Regional Geographic Information System

8.8 Signatures of Environmental Professional

The field investigation for the Phase I ESA was performed by Mr. Steve Crider of NTH Consultants Ltd. The Phase I ESA report was authored by Mr. Crider of NTH, and was reviewed by Ms. Sherry L. Kirkbride and Mr. Brian S. Smits of NTH. Ms. Kirkbride and Mr. Smits served as the Environmental Professionals on this project, and their resumes are included in Appendix L.



We declare that, to the best of our professional knowledge and beliefs, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property. We have developed and performed the all appropriate inquiries in general accordance with the standards and practices set forth in ASTM Practice E1527-05, which is consistent and compliant with 40 CFR Part 312.

Sherry L. Kirkbride

Staff Professional

Brian S. Smits, P.E.

Senior Vice President

8.9 Qualifications of Environmental Professionals

Resumes are attached in Appendix I.

9.0 NON-SCOPE CONSIDERATIONS

9.1 Friable and Non-friable Asbestos Containing Materials (ACMs)

NTH obtained records of asbestos inspections which can be found in Appendix J.

9.2 Lead-Based Paint

Per Bruce Michael's request, a lead paint survey was not completed as part of the Phase I ESA.

9.3 Formaldehyde Insulation

NTH did not observe any formaldehyde insulation during the site reconnaissance.

9.4 Radon Gas

The Stocking Elementary Property is located in Kent County. MSHDA does not require the documentation of specific radon mitigation measures for properties in Kent County.



9.5 Special Flood Hazard Area

NTH reviewed a Federal Emergency Management Agency (FEMA) flood map (Community Panel Number 260106 0020 C) for the Stocking Elementary Property and surrounding area. Based on review of the map, the Property was depicted in Zone C (areas of minimal flooding). A copy of the floodplain map can be found in Appendix K.

9.6 Wetlands

NTH reviewed a United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Map for the area of the property obtained on-line. According to the NWI Map, wetlands were not depicted on the Property. A copy of the map can be found in Appendix K

9.7 EMF

No high voltage power lines were observed in the vicinity of the Stocking Elementary Property. Additionally, Mr. Greg Dennany of Consumers Energy indicated there are no high voltage power lines within 5,400 feet of the Stocking Elementary Property.

9.8 High Pressure Buried Gas Lines

According to a local gas utility representative (DTE), no high pressure (400 p.s.i.) or 4" diameter or larger gas lines exist within 1,000 feet of the Property.

9.9 Noise analysis

Two airports and one rail lines were identified near the Stocking Elementary Property. The Gerald R. Ford International and Riverview Airports were located 10 miles southwest and 6 miles southeast of the Stocking Elementary Property, respectively. The CSX Railroad is located approximately 1,800 feet to the east. A noise assessment worksheet was completed to assess the day night sound (DNS) level of the noise sources. The total DNL for these sources was 66 decibels. A copy of the noise assessment worksheet can be found in Appendix L.



9.10 Vapor Encroachment Screen, ASTM E 2600-10

NTH completed the Tier I & Tier II screening process for vapor encroachment. The Tier I screening process is comprised of a site walk in an attempt to determine if there is any visual evidence of chemical storage, usage or impacts within 100 feet of the Property . Based on the EDR Report several nearby sites were identified with potential chemical usage and a Tier II evaluation was completed for each of the sites of concern. The Tier II evaluation included additional research (review of EDR Report and FOIA requests) to determine if identified chemicals of concern exist within 100 feet of the Property. Based on the results of the analysis combined with the RECs identified in this PH I ESA study, vapor encroachment concerns cannot be ruled out and additional investigation may be recommended post PH II ESA investigation.

10.0 APPENDICES

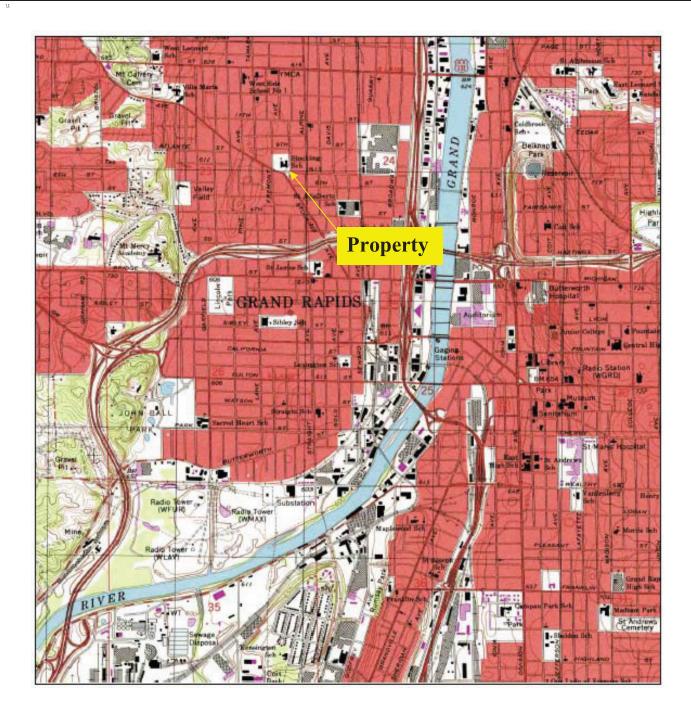
Property Location Map, Figure 1; Property Layout Plan with RECs, Figure 2;	
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Site Photographs	APPENDIX B
User and Owner Questionnaires	APPENDIX C
Environmental Database Radius Report	APPENDIX D
City Directories	APPENDIX E
Sanborn Maps	APPENDIX F
Aerial Photographs	APPENDIX G
Historical Topographic Maps	APPENDIX H
Resumes of Environmental Professionals	APPENDIX I
Asbestos and Lead Paint Analytical Results and Info	APPENDIX J
FEMA and NWI Map	APPENDIX K
Noise Assessment Worksheet	APPENDIX L
Certificate of Insurance	APPENDIX N





APPENDIX A

PROPERTY LOCATION MAP,
PROPERTY LAYOUT PLAN
WITH RECS, AND ASSESSING
INFORMATION

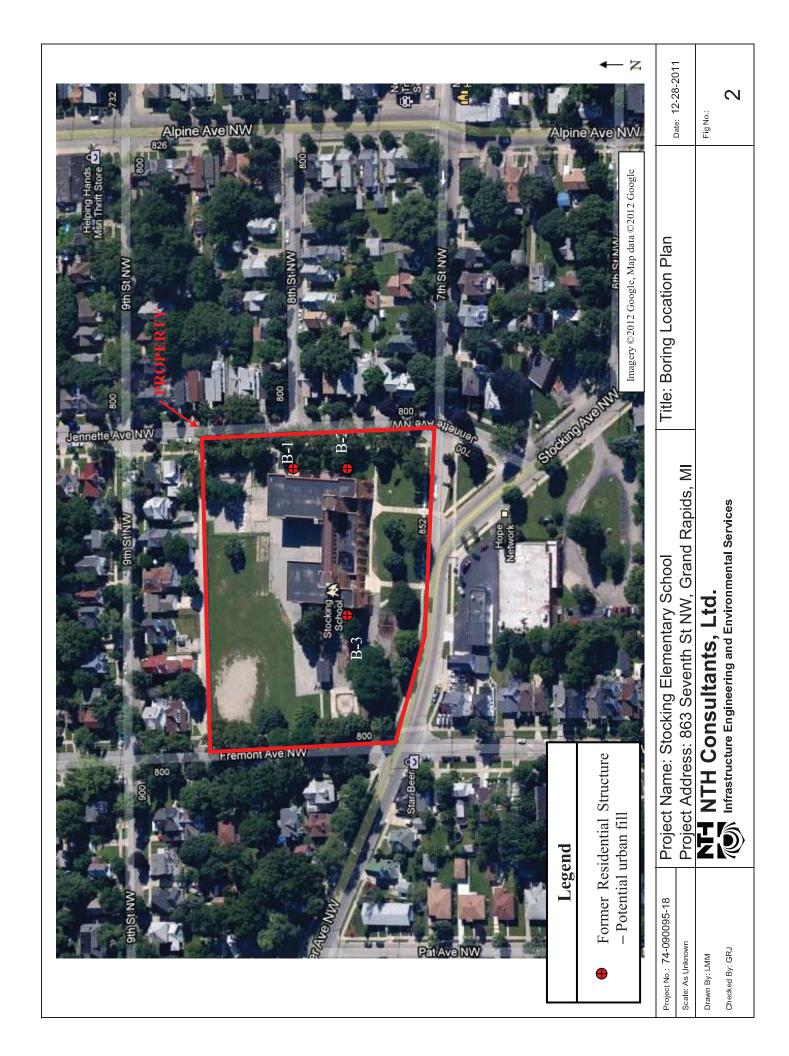


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N Source: USGS 1996 Topographic Map

Project No.:	Project Name:	Title:
74-090095-19	Phase I Environmental Site Assessment	Property Location Map
Scale: 1:24,000	Project Address: 863 Seventh Street NW, Grand Rapids, Michigan	
Drawn By: LMM Checked By: GRJ	NTH Consultants, Ltd.	Figure No.:

1



City of Grand Rapids Page 1 of 2

General Property Information

City of Grand Rapids

[Back to Non-Printer Friendly Version] [Send To Printer]

Parcel: 41-13-23-284-011 Unit: CITY OF GRAND RAPIDS

Property Address

[collapse]

863 NW SEVENTH ST GRAND RAPIDS, MI 49504

Owner Information

[collapse]

GRAND RAPIDS PUBLIC SCHOOLS 1331 FRANKLIN ST SE PO BOX 0117 GRAND RAPIDS, MI 49501-0117

Unit:

51

Taxpayer Information

[collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2011

[collapse]

Property Class: 701 - EXEMPT IMPROVED Assessed Value: \$0 **School District:** 41010 - GRAND RAPIDS Taxable Value:

294.5*109*349*387*424 **State Equalized Value:** \$0 **Lot Size**

DWELLING UNITS 0 **Date of Last Name Chg:** 06/30/2006

Date Filed:

Notes: N/A

Principal Residence Exemption May 1st **Final**

2011 0.0000 % 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2010	\$0	\$0	\$0
2009	\$0	\$0	\$0

Land Info	rmation				[coll	lapse]
	Frontage			Depth		
Lot 1:	N/A			N/A		
Lot 2:	N/A			N/A		
Lot 3:	N/A			N/A		
Total Frontage:	N/A		Average Depth:	N/A		
Total Acrea	age:	N/A				
Zoning Cod	de:	N/A				
Land Value Land Impro Renaissand Renaissand Date:	ovements:	\$0 N/A NO		gage Code: imensions/Comments:	N/A N/A	

City of Grand Rapids Page 2 of 2

ECF Neighborhood Code: 21 - ECF TABLE 21

Legal Information for 41-13-23-284-011

[collapse]

LOT 8 BLK 7 EXCEPT PART TAKEN FOR STREET* STOCKING & SMITH S SUB* OF STOCKING & ALLEN S ADDITION

Sales Information

0 sale record(s)	found.				
Sale Date	Sale Price	Instrument	Grantor	Grantee	Liber/Page

Building Information

0 building(s) found.		
Description	Floor Area	Yr Built

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APPENDIX B





PHOTOGRAPH NO. 1 ADJACENT PROPERTY TO THE EAST



PHOTOGRAPH NO. 2 ADJACENT PROPERTY TO THE NORTH





PHOTOGRAPH NO. 3 ADJACENT PROPERTY TO THE WEST



PHOTOGRAPH No. 4 ADJACENT PROPERTY TO THE SOUTH





PHOTOGRAPH NO. 5: PUBLIC BATHROOMS FOR WADING POOL



PHOTOGRAPH No. 6 WADING POOL





PHOTOGRAPH No. 7 SCHOOL PLAYGROUND



PHOTOGRAPH NO. 8 SCHOOL PLAYGROUND





PHOTOGRAPH NO. 9 SOUTH SIDE OF THE SCHOOL



PHOTOGRAPH NO. 10 NORTH SIDE OF THE SCHOOL





PHOTOGRAPH NO. 11 CONCRETE AREA IS THE CEILING OF THE FORMER COAL BUNKER



PHOTOGRAPH No. 12 POLE MOUNTED TRANSFORMER LOCATED AT THE INTERSECTION OF JENNETTE AVENUE AND 8th Street





PHOTOGRAPH No. 13 COMPRESSOR



PHOTOGRAPH No. 14 BOILER





PHOTOGRAPH No. 15 CLASSROOMIN SCHOOL



PHOTOGRAPH No. 16 KITCHEN AREA



APPENDIX C

USER AND OWNER QUESTIONNAIRES

Phase I ESA OWNER Questionnaire NTH Project No. 74-090095-18

Location: 863 Seventh NW, Grand Rapids, MI

transformers on the subject prop		NO	
Number and type:	pole-mounted	slab-mounted	
Owner of transformer(s):			
If the transformers are not ov transformers available?		•	
known environmental concerns a	and/or incidents on the subjec	t property or the adjac	ent properties
	YES	NO	
If yes, explain:			Å
			*
	va v YES va		
If yes, results of study or stud	YES		r
If yes, results of study or stud	YES		r
If yes, results of study or stud	YES lies: or studies available for revie	w? YES	·
If yes, results of study or study If yes, are copies of the study	YES lies: or studies available for revie	w? YES	·
If yes, results of study or study If yes, are copies of the study	YES lies: or studies available for revie oring wells on the subject pro	w? YES perty:	NO
If yes, results of study or study If yes, are copies of the study ledge of any groundwater monito	YES lies: or studies available for revie oring wells on the subject pro	w? YES perty:	NO
If yes, results of study or study If yes, are copies of the study ledge of any groundwater monito If yes, purpose of the wells: es on the subject property:	YES lies: or studies available for revie oring wells on the subject pro	w? YES perty:	NO
If yes, results of study or study If yes, are copies of the study ledge of any groundwater monitor If yes, purpose of the wells: es on the subject property: supply: municipal water	YES lies: or studies available for revie oring wells on the subject pro YES on-site water well	w? YES perty: NO community well	NO
If yes, results of study or study If yes, are copies of the study ledge of any groundwater monite If yes, purpose of the wells: es on the subject property: supply: municipal water age: municipal sanitary se	YES lies: or studies available for revie oring wells on the subject pro YES on-site water well	w? YES perty: NO community well community septic	NO
If yes, results of study or study If yes, are copies of the study ledge of any groundwater monitor If yes, purpose of the wells: es on the subject property: supply: municipal water	YES lies: or studies available for revie oring wells on the subject pro YES on-site water well	w? YES perty: NO community well community septic	NO

Phase I ESA OWNER Questionnaire NTH Project No. 74-090095-18 Location: 863 Seventh NW, Grand Rapids, MI

As part of our Phase I Environmental Site Assessment process we ask that you answer the following questionnaire to the best of your knowledge. Your prompt response and knowledge of the property is critical to the preparation of the Phase I ESA report.

Current Property Owner: 6RPS
Length of ownership: Purchased about 1920
Property Owner Address: 1331 Franklin Grand Rapids MI
Current Property Occupant: GRPS
Length of Occupancy: Since about 1923
Current property use: School
Length of current property use: Since about 1923
Past property owner(s): I do not know
Length of past ownership: I do not Unow
Past property use(s): I do not know .
Length of past property use(s): Tho not Kuru
Date of original construction of building on property:
Date(s) of construction of any addition(s):
Current heating source for building(s): natural gus
Past heating sources for building(s):
Any former buildings no longer on property: YES NO
If yes, please describe and indicated date of demolition: fortable classrooms remard 201
Any chemical containers on the property? YES NO
If yes, number, size, and contents:
Any past use of chemical containers on the property? YES
If yes, number, size, and contents:

Phase I ESA OWNER Questionnaire NTH Project No. 74-090095-18 Location: 863 Seventh NW, Grand Rapids, MI

Dates of connection	on to the utilities: I do not know
Any hazardous wa	astes generated at the site? YES NO
If yes, waste dispo	osal practices, including types of waste and quantities generated, and waste transporter: asher tos - See manage ment plan
Solid waste dispos	sal company: See manage ment plan
Prepared by:	RelVatt
Print Name:	Rich Natte
Title:	Supervisor of Renaction
Phone:	616-819-3010

-3-

2/4/20 3 4 (Car) \$25,000 160,600 4/H 2.0 A. cc

User Questionnaire

Stocking Elementary

	User's (Sponsor's) Name: GR School Lofts, LLC		
	User's (Sponsor's) Telephone No.: <u>248/703-4653</u>		
	User's (Sponsor's) Fax No.: <u>248/629-9176</u>		
	Subject Property: Stocking Elementary School		
	Property Address: 863 7th Street, NW		
	City: Grand Rapids So	tate: MI	Zip: <u>49503</u>
1.0	Environmental Cleanup Liens:		
	Are you aware of any environmental cleanup liens against the property that federal, tribal, state, or local law?	at are filed, rec	orded, or unrecorded under
	YES x_NO (If "YES," please describe)		
2.0	Activity and Land Use Limitations:		
	Are you aware of any activity and land use limitations, such as enginee institutional controls that are in place at the site and/or have been filed, federal, tribal, state or local law?		
	YES x_NO (If "YES," please describe)		
3.0	Specialized Knowledge or Experience of the User:		
		1 4 14 41	
	(a) As the user of this ESA do you have any knowledge or experience properties that could be material to any environmental conditions		
	x_YESNO (If "YES," please describe)		
lead base	ased paint and asbestos on the property		
	(b) Are you involved in the same line of business as the current or for adjoining property so that you would have specialized knowledge this type of business?		
	YES x_NO (If "YES," please describe)		

	Stocking Elementary
4.0	Relationship of Purchase Price to Fair Market Value:
	(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?
	x_YESNO (If "YES," please describe)
	(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?
	YESNO (If "YES," please describe)
na	
5.0	Commonly Known or Reasonably Ascertainable Information:
	Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
	(a) Do you know the past uses of the property? Please List: <u>elementary school</u>
	(b) Do you know the specific chemicals that are present or once were present at the property?
	YES x_NO (If "YES," please describe)
	(c) Do you know of spills or other chemical releases that have taken place at the property?
	YES x_NO (If "YES," please describe)

(d) Do you know of any environmental cleanups that have taken place at the property?

___YES x_NO (If "YES," please describe)

User Questionnaire

Stocking Elementary

6.0	Presence or	Likely	Presence	of Cont	amination
v	I LESEUCE OF	LIKELV	I resence	OI COIL	аннианон

·	wledge and experience related to the property are there any ikely presence of contamination at the property?
x_YESNO (If "YES," please desc	cribe)
lead based paint and asbestos, see asbestos management plan fi	rom Grand Rapids Public Schools
User's Signature:	Date <u>12/9/11</u>
User's Printed Name: Bruce Michael, Member	



APPENDIX D

ENVIRONMENTAL DATABASE RADIUS REPORT

Stocking Elementary

863 7th St NW Grand Rapids, MI 49504

Inquiry Number: 3219405.8s

December 06, 2011

The EDR Radius Map™ Report with GeoCheck®

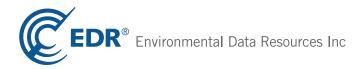


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Physical Setting Source Map.	A-8
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Physical Setting Source Records Searched.	

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

863 7TH ST NW GRAND RAPIDS, MI 49504

COORDINATES

Latitude (North): 42.978400 - 42° 58' 42.2" Longitude (West): 85.690100 - 85° 41' 24.4"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 606808.9 UTM Y (Meters): 4759033.5

Elevation: 622 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42085-H6 GRAND RAPIDS WEST, MI

Most Recent Revision: 1996

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010 Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site Database(s) EPA ID

STOCKING SCHOOL
863 7TH STREET NW
GRAND RAPIDS. MI 49504

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	_ Federal Superfund Liens
Federal Delisted NPL site li	st
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
CERCLIS	. Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY	Federal Facility Site Information listing
Federal CERCLIS NFRAP s	ite List
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
Federal RCRA CORRACTS	facilities list
CORRACTS	. Corrective Action Report
Federal RCRA non-CORRA	CTS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Federal RCRA generators I	
	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
Federal institutional contro	ls / engineering controls registries
US ENG CONTROLS	. Engineering Controls Sites List
US INST CONTROL	_ Sites with Institutional Controls
Fordayal FDNC list	
Federal ERNS list	
ERNS	Emergency Response Notification System
State and tribal landfill and	or solid waste disposal site lists
SWF/LF	Solid Waste Facilities Database
State and tribal leaking sto	rage tank lists
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Tanks

INDIAN UST...... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI...... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

SWRCY...... Recycling Facilities

HIST LF..... Inactive Solid Waste Facilities

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL...... Clandestine Drug Labs
CDL...... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS.....Land Use Control Information System

LIENS....Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS...... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS Incident and Accident Data
DOD Department of Defense Sites

FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

ROD...... Records Of Decision UMTRA..... Uranium Mill Tailings Sites MINES..... Mines Master Index File

TRIS...... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

PADS...... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

RAATS...... RCRA Administrative Action Tracking System

UIC...... Underground Injection Wells Database

WDS..... Waste Data System DRYCLEANERS...... Drycleaning Establishments NPDES.....List of Active NPDES Permits AIRS..... Permit and Emissions Inventory Data

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing FINANCIAL ASSURANCE.... Financial Assurance Information Listing COAL ASH DOE...... Sleam-Electric Plan Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER_____PCB Transformer Registration Database

COAL ASH..... Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MIKE WAWEE & SONS AUTO SALES I	856 7TH ST NW	SE 0 - 1/8 (0.044 mi.)	A2	7

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's' Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 10/31/2011 has revealed that there are 5 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
5TH STREET NW, 601 Facility Status: Interim Response con-	601 5TH STREET NW ducted	ESE 1/4 - 1/2 (0.361 mi.)	В9	16
AMERICAN SEATING COMPANY Facility Status: Inactive - no actions to		E 1/2 - 1 (0.554 mi.)	26	31
FOUNDRY Facility Status: Inactive - no actions to	329 SUMMER AVE aken to address contamination	SE 1/2 - 1 (0.800 mi.)	27	33
648 MONROE AVE NW Facility Status: Inactive - no actions to	648 MONROE AVE NW aken to address contamination	ESE 1/2 - 1 (0.947 mi.)	30	35
AUTOBOND (FORMER) Facility Status: Interim Response con-	706 BOND AVE. NW ducted	ESE 1/2 - 1 (0.976 mi.)	31	35

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 10/01/2011 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance		Page
RICHARD WALDMILLER Facility Status: Closed	856 7TH ST NW	SE 0 - 1/8 (0.044 mi.)	A3	8
EL MATADOR TORTILLA CHIPS CO Facility Status: Closed	669 STOCKING AVE NW	SSE 1/8 - 1/4 (0.220 mi.)	6	14

Lower Elevation	Address	Direction / Distance	Map ID	Page
JOHN WIDDICOMB CO Facility Status: Closed	601 5TH ST NW	ESE 1/4 - 1/2 (0.361 mi.)	B10	16
J & L ROOFING CO Facility Status: Closed	567 11TH ST NW	ENE 1/4 - 1/2 (0.458 mi.)	20	22
JACK'S SERV CTR Facility Status: Open Facility Status: Closed	850 LEONARD ST NW	N 1/4 - 1/2 (0.475 mi.)	21	24
CITY OF GRAND RAPIDS Facility Status: Closed	800 LEONARD ST NW	NNE 1/4 - 1/2 (0.482 mi.)	22	27
FOUR STAR SERVICE Facility Status: Closed	513 STOCKING NW	SSE 1/4 - 1/2 (0.493 mi.)	24	29

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 10/01/2011 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
RICHARD WALDMILLER	856 7TH ST NW	SE 0 - 1/8 (0.044 mi.)	A3	8	
VAN MANEN OIL INC	5664 ALPINE NW	SSE 1/8 - 1/4 (0.198 mi.)	5	12	
EL MATADOR TORTILLA CHIPS CO	669 STOCKING AVE NW	SSE 1/8 - 1/4 (0.220 mi.)	6	14	

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 11/07/2011 has revealed that there are 6 DEL SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
5TH STREET NW, 601	601 5TH STREET NW	ESE 1/4 - 1/2 (0.361 mi.)	В9	16
5TH STREET NW, 600	600 5TH STREET NW	ESE 1/4 - 1/2 (0.395 mi.)	C13	20
4TH STREET NW, 615	615 4TH STREET NW	SE 1/4 - 1/2 (0.410 mi.)	D15	21
5TH STREET NW, 560	560 5TH STREET NW	ESE 1/4 - 1/2 (0.427 mi.)	E18	22
900-1010 MONROE AVENUE NW	900-1010 MONROE AVENUE	E 1/2 - 1 (0.895 mi.)	28	34
WHITTAKER ELECTRIC	1320 FRONT	NE 1/2 - 1 (0.934 mi.)	29	34

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTH END TRANSMISSION INC	802 ALPINE AVE NW	E 0 - 1/8 (0.113 mi.)	4	11

BEA: Baseline Environmental Assessment.

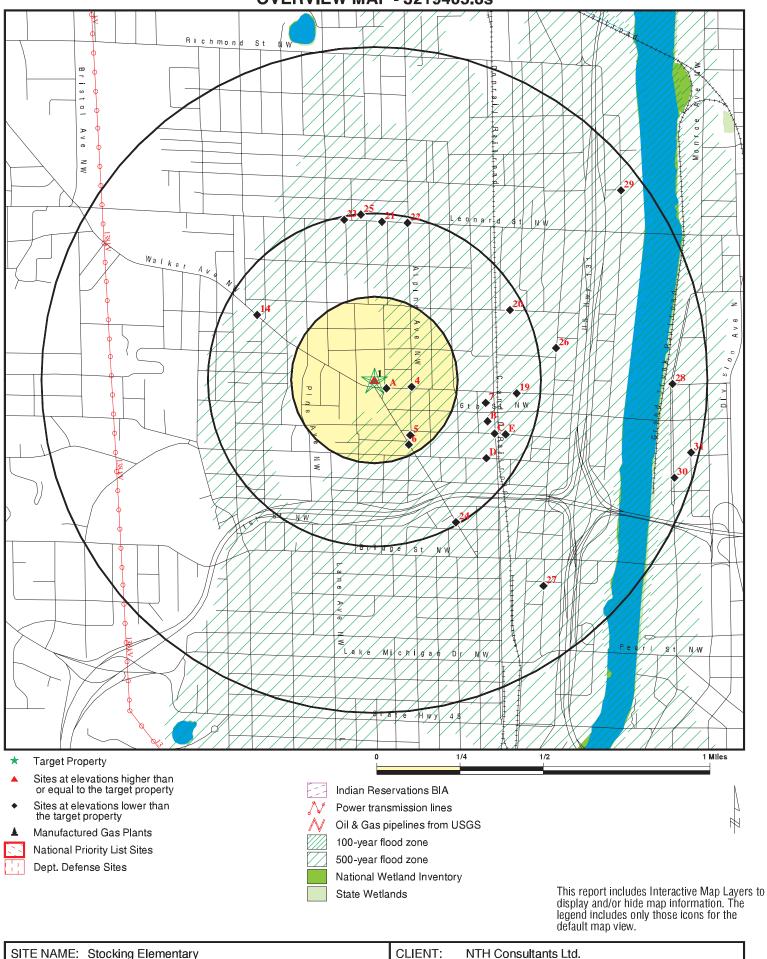
A review of the BEA list, as provided by EDR, and dated 08/29/2011 has revealed that there are 11 BEA sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	600 SEVENTH STREET NW	ESE 1/4 - 1/2 (0.341 mi.)	7	15
601 & 611 5TH ST/609 6TH ST/71	601 & 611 5TH STREET NW	ESE 1/4 - 1/2 (0.361 mi.)	B8	15
5TH STREET NW, 601	601 5TH STREET NW	ESE 1/4 - 1/2 (0.361 mi.)	B9	16
JOHN WIDDICOMB PROPERTY	600 BLOCK OF FIFTH STRE	ESE 1/4 - 1/2 (0.394 mi.)	C11	19
600 FIFTH STREET N. W.	600 FIFTH STREET N. W.	ESE 1/4 - 1/2 (0.395 mi.)	C12	19
WALKER STREET LAUNDRY	1155 WALKER AVENUE NW	WNW 1/4 - 1/2 (0.403 mi.)	14	20
615 FOURTH STREET NW	615 FOURTH STREET NW	SE 1/4 - 1/2 (0.410 mi.)	D16	21
560 FIFTH STREET NW	560 FIFTH STREET NW	ESE 1/4 - 1/2 (0.427 mi.)	E17	21
516 SEVENTH STREET NW	516 SEVENTH STREET NW	E 1/4 - 1/2 (0.429 mi.)	19	22
937 LEONARD STREET NW	937 LEONARD STREET NW	N 1/4 - 1/2 (0.490 mi.)	23	29
900 LEONARD STREET NW	900 LEONARD STREET NW	N 1/4 - 1/2 (0.498 mi.)	25	31

Due to poor or inadequate address information, the following sites were not mapped. Count: 27 records.

Site Name	Database(s)
1034 & 1042 MICHIGAN AVE NE	SHWS
1620 LEONARD/1559 MACDONALD	SHWS
KOCH MATERIALS CO.	SHWS
6025 & 6035 28TH STREET SE	SHWS, BEA
68TH. ST. & DIVISION AREA	SHWS, DEL SHWS
NE CORNER OF GRANDVILLE SW AND FRA	SHWS
GRANDVILLE DUMP	SHWS
CONSUMERS ENERGY-TRANSMISSION STAT	SHWS
CONSUMERS ENERGY	SHWS
H. BROWN CO., INC.	SHWS
WALKER AVENUE GW CONTAMINATION	SHWS
NORTH END TRANSMISSION SERVICE	LUST, UST
BUSINESS BUILDING	LUST
GERRIT BROS	LUST
CRYSTAL FLASH #51 & CARD LOCK	LUST, UST
THRIFTY TIRE & WHEEL CENTER	UST
MARATHON UNIT #1244	UST
GOODALE ENTERPRISES	AST
MI DEPT/TRANSPORTATION BRIDGE S01S	RCRA-NonGen, FINDS
MERCANTILE BANK PROPERTIES	US BROWNFIELDS
WHITE PINE TRAIL - APPROXIMATELY 4	BEA
NORTHEAST ELEMENTARY SCHOOL	AIRS

OVERVIEW MAP - 3219405.8s



SITE NAME: Stocking Elementary ADDRESS: 863 7th St NW

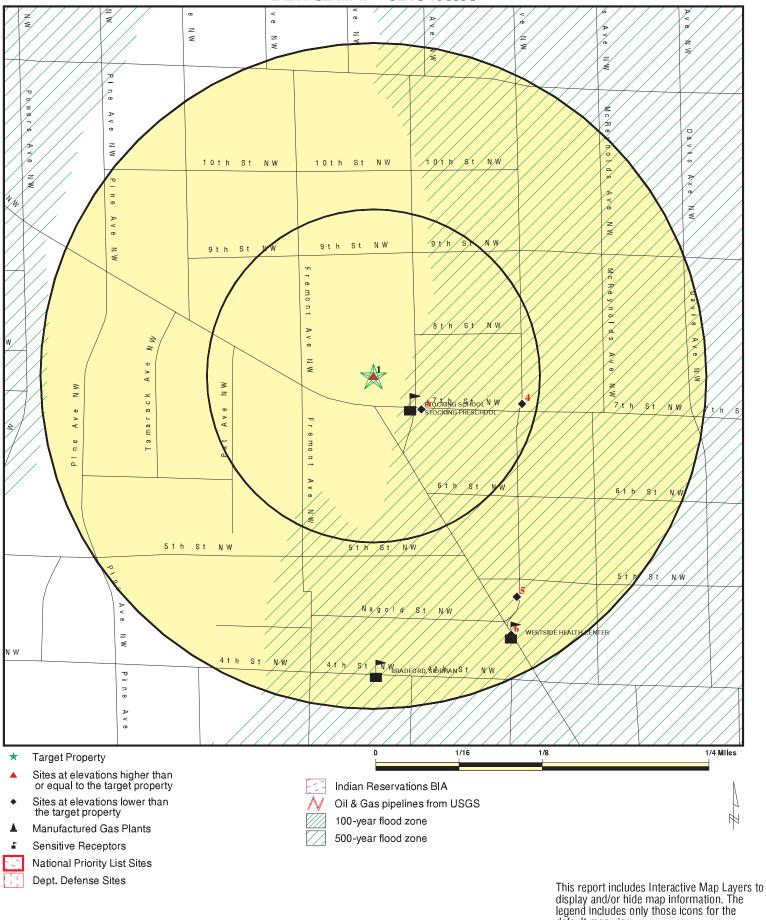
Grand Rapids MI 49504 LAT/LONG: 42.9784 / 85.6901

CLIENT: NTH Consult CONTACT: Steve Crider

INQUIRY #: 3219405.8s

DATE: December 06, 2011 11:40 am

DETAIL MAP - 3219405.8s



default map view. NTH Consultants Ltd.

SITE NAME: Stocking Elementary ADDRESS: 863 7th St NW

Grand Rapids MI 49504 LAT/LONG: 42.9784 / 85.6901

CLIENT:

CONTACT: Steve Crider INQUIRY #: 3219405.8s

DATE: December 06, 2011 11:41 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	AL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL site	e list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY		0.500 1.000	0 0	0 0	0 0	NR 0	NR NR	0 0
Federal CERCLIS NFRAI	P site List							
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD fa	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 1	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 1
Federal institutional con engineering controls reg								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equiva	lent CERCLIS	8						
SHWS		1.000	0	0	1	4	NR	5
State and tribal landfill a solid waste disposal site								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking s	storage tank l	ists						
LUST INDIAN LUST		0.500 0.500	1 0	1 0	5 0	NR NR	NR NR	7 0
State and tribal registere	ed storage tan							
UST	J	0.250	1	2	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST INDIAN UST FEMA UST		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institutional control / engineering control registries								
AUL		0.500	0	0	0	NR	NR	0
State and tribal voluntal	ry cleanup site	es						
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfi	elds sites							
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORDS	<u> </u>						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	Solid							
ODI DEBRIS REGION 9 SWRCY HIST LF INDIAN ODI		0.500 0.500 0.500 0.500 0.500	0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US CDL DEL SHWS CDL US HIST CDL		TP 1.000 TP TP	NR 0 NR NR	NR 0 NR NR	NR 4 NR NR	NR 2 NR NR	NR NR NR NR	0 6 0
Local Land Records								
LIENS 2 LUCIS LIENS		TP 0.500 TP	NR 0 NR	NR 0 NR	NR 0 NR	NR NR NR	NR NR NR	0 0 0
Records of Emergency	Release Repo	rts						
HMIRS SPILLS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Red	cords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD		0.250 TP 1.000 1.000 1.000 1.000	1 NR 0 0 0	0 NR 0 0 0	NR NR 0 0 0	NR NR 0 0 0	NR NR NR NR NR	1 0 0 0 0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS ICIS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	Ö
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
WDS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
BEA		0.500	0	0	11	NR	NR	11
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR 0	NR	NR 0	NR	NR	0
COAL ASH EPA PCB TRANSFORMER		0.500 TP	-	0 ND	-	NR NR	NR	0
COAL ASH		0.500	NR 0	NR 0	NR 0	NR NR	NR NR	0 0
COAL ASIT		0.300	U	U	U	INIX	INIX	U
EDR PROPRIETARY RECOR	<u>DS</u>							
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

Elevation Site **EPA ID Number** Database(s)

STOCKING SCHOOL **FINDS** 1008265651 N/A

Target 863 7TH STREET NW **GRAND RAPIDS, MI 49504 Property**

FINDS:

Registry ID: 110021569676 Actual:

622 ft.

Environmental Interest/Information System

US Geographic Names Information System (GNIS) is the official vehicle for geographic names used by the federal government and the source for applying geographic names to federal maps and other printed and electronic documents.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

RCRA-CESQG

A2 MIKE WAWEE & SONS AUTO SALES INC SE 856 7TH ST NW

< 1/8 **GRAND RAPIDS. MI 49504**

0.044 mi.

231 ft. Site 1 of 2 in cluster A

RCRA-CESQG: Relative:

Date form received by agency: 01/24/2006 Lower

Facility name: MIKE WAWEE & SONS AUTO SALES INC

Actual: Facility address: 856 7TH ST NW

619 ft.

GRAND RAPIDS, MI 49504

EPA ID: MIK226916773 Contact: CHRIS WAWEE Contact address: 856 7TH ST NW

GRAND RAPIDS, MI 49504

Contact country: US

Contact telephone: (616) 791-1043 Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: CHRIS WAWEE Owner/operator address: Not reported

Not reported

EDR ID Number

1009312026

MIK226916773

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

MIKE WAWEE & SONS AUTO SALES INC (Continued)

1009312026

Owner/operator country: Not reported Not reported Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 09/01/2002 Owner/Op end date: Not reported

Owner/operator name: CHRIS WAWEE
Owner/operator address: Not reported
Not reported

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Operator

Operator

Op/01/2002

Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: Nο Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

A3 RICHARD WALDMILLER LUST U003328372 SE 856 7TH ST NW UST N/A

< 1/8 GRAND RAPIDS, MI 49504

0.044 mi.

231 ft. Site 2 of 2 in cluster A

Relative: LUST:

Lower Facility ID: 00011368

Source: STATE OF MICHIGAN

Actual: Owner Name: Richard Waldmiller
619 ft. Owner Address: 359 Scott Ave NW

Owner City, St, Zip: Grand Rapids, MI 49504-4980

Direction
Distance

Elevation Site Database(s) EPA ID Number

RICHARD WALDMILLER (Continued)

Owner Contact: Not reported
Owner Phone: (616) 453-3082

Country: USA

District: Grand Rapids District Office
Site Name: Waldmiller All-service
Latitude: 42.9777820000
Longitude: -85.6897370000
Date of Collection: 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-0685-99
Release Date: 07/14/1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 01/03/2000

UST:

 Facility ID:
 00011368

 Facility Type:
 CLOSED

 Latitude:
 42.9777820

 Longitude:
 -85.6897370

Owner Name: RICHARD WALDMILLER
Owner Address: 359 SCOTT AVE NW

Owner City, St, Zip: GRAND RAPIDS, MI 49504-4980

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 453-3082

Contact: RICHARD WALDMILLER

Contact Phone: (616) 453-3082
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET

Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 3000
Install Date: Not reported
Product: Gasoline
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 2

EDR ID Number

U003328372

Direction Distance

Elevation Site Database(s) EPA ID Number

RICHARD WALDMILLER (Continued)

U003328372

EDR ID Number

Tank Status: Removed from Ground

Capacity: 3000
Install Date: Not reported
Product: Gasoline
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 3

Tank Status: Removed from Ground

Capacity: 3000
Install Date: Not reported
Product: Kerosene
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 4

Tank Status: Removed from Ground

Capacity: 500

Install Date: Not reported
Product: Not reported
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 5

Tank Status: Removed from Ground

Capacity: 500

Install Date: Not reported Product: Used Oil Remove Date: 07/31/1995
Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Galvanized Steel Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

4 NORTH END TRANSMISSION INC RCRA-NonGen 1000405792
East 802 ALPINE AVE NW FINDS MID017095530

< 1/8 GRAND RAPIDS, MI 49504

0.113 mi. 599 ft.

Relative: RCRA-NonGen:

Lower Date form received by agency: 12/31/2001

Facility name: NORTH END TRANSMISSION INC

Actual: Facility address: 802 ALPINE AVE NW 615 ft. GRAND RAPIDS MIA

GRAND RAPIDS, MI 49504

EPA ID: MID017095530
Contact: DAVID SHERD
Contact address: 802 ALPINE AVE NW

GRAND RAPIDS, MI 49504

Contact country: US

Contact telephone: (616) 454-3097 Contact email: Not reported EPA Region: 05

Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SHERD DAVID Owner/operator address: Not reported

Not reported Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/1986
Owner/Op end date: Not reported

Owner/operator name: SHERD DAVID
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/01/1986
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

NORTH END TRANSMISSION INC (Continued)

1000405792

Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 10/09/1987

NORTH END TRANSMISSION INC Facility name:

Classification: **Small Quantity Generator**

Hazardous Waste Summary:

D001 Waste code:

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/03/1995

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

FINDS:

110003588243 Registry ID:

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

VAN MANEN OIL INC UST U003327697 SSE **5664 ALPINE NW** N/A

1/8-1/4 0.198 mi. 1044 ft.

Actual:

614 ft.

UST: Relative:

Facility ID: 00002673 Lower

GRAND RAPIDS, MI 49544

Facility Type: CLOSED Latitude: 43.0673490 Longitude: -85.6895350

> Owner Name: VAN MANEN OIL INC

Owner Address: O-305 LAKE MICHIGAN DR NW Owner City, St, Zip: **GRAND RAPIDS, MI 49544-3355**

Owner Country: USA

Owner Contact: Not reported Owner Phone: (616) 453-6344

Direction Distance

Elevation Site Database(s) EPA ID Number

VAN MANEN OIL INC (Continued)

U003327697

EDR ID Number

Contact: G. VAN MANEN
Contact Phone: (616) 453-6344
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET

Accuracy Value Unit: FEET Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 2000
Install Date: 05/02/1973
Product: Gasoline
Remove Date: 11/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 3000
Install Date: 05/02/1973
Product: Gasoline
Remove Date: 11/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 3

Tank Status: Removed from Ground

Capacity: 1000
Install Date: 05/02/1976
Product: Gasoline
Remove Date: 11/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

6 EL MATADOR TORTILLA CHIPS CO LUST U003329581 SSE 669 STOCKING AVE NW UST N/A

1/8-1/4 0.220 mi. 1161 ft.

Actual:

615 ft.

Relative: LUST:

Lower Facility ID: 00038602

GRAND RAPIDS, MI 49504

Source: STATE OF MICHIGAN
Owner Name: El Matador Tortilla Chips Co

Owner Address: 45 Franklin St SW

Owner City,St,Zip: Grand Rapids, MI 49507-1025

Owner Contact: Not reported
Owner Phone: (616) 241-1121

Country: USA

District: Grand Rapids District Office
Site Name: Former El Matador Tortilla Chip

Latitude: 42.9753430000 Longitude: -85.6880790000 Date of Collection: 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number:C-0580-95Release Date:05/22/1995Substance Released:GasolineRelease Status:ClosedRelease Closed Date:08/01/1995

UST:

 Facility ID:
 00038602

 Facility Type:
 CLOSED

 Latitude:
 42.9753430

 Longitude:
 -85.6880790

Owner Name: EL MATADOR TORTILLA CHIPS CO

Owner Address: 45 FRANKLIN ST SW

Owner City, St, Zip: GRAND RAPIDS, MI 49507-1025

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 241-1121
Contact: MIQUEL NAVARRO
Contact Phone: (616) 241-1121
Date of Collection: 01/11/2001

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID: 1

Tank Status: Closed in Ground
Capacity: Not reported
Install Date: Not reported
Product: Gasoline

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

EL MATADOR TORTILLA CHIPS CO (Continued)

U003329581

Remove Date: 07/05/1995
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown

Piping Type: Suction: No Valve At Tank

Constr Material: Excavation Liner

Impressed Device: No

BEA S106521652
SSE 600 SEVENTH STREET NW N/A

ESE 600 SEVENTH STREET NW 1/4-1/2 GRAND RAPIDS, MI 49504

0.341 mi. 1802 ft.

Relative: BEA:

Lower

Secondary Address: Not reported

BEA Number: 1478

Actual: 610 ft.

District: Grand Rapids

Date Received: 8/4/2004 12:59:00 AM
Submitter Name: Aslan - 600 Seventh L.L.C.

Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: heytg

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 2951

District: Grand Rapids
Date Received: 6/6/2011 12:59:00 AM
Submitter Name: Fifth Third Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported

Category: Not reported Determination 20107A: No Request Pawlosj2

Division Assigned: Environmental Response Division

B8 601 & 611 5TH ST/609 6TH ST/710 MUSKEGON ESE 601 & 611 5TH STREET NW & 609 6TH ST NW

1/4-1/2 GRAND RAPIDS, MI 49504

0.361 mi.

1908 ft. Site 1 of 3 in cluster B

Relative: BEA:

Lower Secondary Address: & 710 Muskegon Avenue NW

BEA Number: 2952 District: Grand R

Actual: District: Grand Rapids 611 ft. Date Received: 6/6/2011 12:59:00 AM

Submitter Name: Fifth Third Bank
Petition Determination: No Request

Petition Disclosure: 0

Category: Not reported Determination 20107A: No Request Reviewer: monetd

BEA

S111120923

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

601 & 611 5TH ST/609 6TH ST/710 MUSKEGON (Continued)

Division Assigned: **Environmental Response Division**

B9 5TH STREET NW, 601 SHWS S105254545 **ESE DEL SHWS 601 5TH STREET NW** N/A GRAND RAPIDS, MI 49504 1/4-1/2 **BEA**

0.361 mi.

1908 ft. Site 2 of 3 in cluster B

SHWS: Relative:

Facility ID: 41000773 Lower

Facility Status: Interim Response conducted

Actual: Source: Not reported

611 ft. SAM Score: 28

SAM Score Date: 06/07/2005 Township: 07N

Range: 12W Section: 24 Quarter: SW Quarter/Quarter: NW

Pollutants: Fluoranthene; Phenanthrene; Se; Ag

DELETED HWS:

Facility ID: 41000998

Status: Deleted - available documentation does not support listing

BEA:

Secondary Address: Not reported

BEA Number: 987

District: **Grand Rapids**

Date Received: 12/17/2001 12:59:00 AM Submitter Name: 601 Properties, LLC

Petition Determination: No Request

Petition Disclosure:

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: wierzbid

Division Assigned: **Environmental Response Division**

B10 JOHN WIDDICOMB CO LUST U002301747

601 5TH ST NW 1/4-1/2 **GRAND RAPIDS, MI 49504**

0.361 mi.

ESE

1908 ft. Site 3 of 3 in cluster B

LUST: Relative:

Facility ID: 00038547 Lower

STATE OF MICHIGAN Source: Actual: Owner Name: John Widdicomb Co 611 ft. Owner Address: 601 5th St NW

> Owner City, St, Zip: Grand Rapids, MI 49504-5106

Owner Contact: Not reported Owner Phone: (616) 459-7173

Country: USA

District: Grand Rapids District Office John Widdicomb Company Site Name:

UST

AIRS

N/A

S111120923

Direction Distance

Elevation Site Database(s) EPA ID Number

JOHN WIDDICOMB CO (Continued)

U002301747

EDR ID Number

Latitude: 42.9761030000 Longitude: -85.6830630000 Date of Collection: 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-0434-95
Release Date: 04/20/1995
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 04/09/1996

UST:

 Facility ID:
 00038547

 Facility Type:
 CLOSED

 Latitude:
 42.9761030

 Longitude:
 -85.6830630

Owner Name: JOHN WIDDICOMB CO

Owner Address: 601 5TH ST NW

Owner City, St, Zip: GRAND RAPIDS, MI 49504-5106

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 459-7173
Contact: MR CLAIR FRENCH
Contact Phone: (616) 459-7173
Date of Collection: 01/11/2001
Accuracy: 100

Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 550
Install Date: Not reported
Product: Gasoline
Remove Date: 04/13/1995
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 120

Install Date: Not reported

Product: Hazardous Substance

Remove Date: 04/13/1995

Distance Elevation Site

Site Database(s) EPA ID Number

JOHN WIDDICOMB CO (Continued)

U002301747

EDR ID Number

Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

AIRS:

El Year: 2011 State Registration Number: B1712 Naics Code: Not reported Contact Name: Not reported Contact Phone: Not reported Contact Address: Not reported Contact City, St, Zip: Not reported 14-70 Permit Number: Date Received: 02/15/1970 State Registration Number: B1712 Country: Not reported Application Reason: **FURNITURE LINE** Not reported Record Type: State County FIPS: Not reported Facility Category: Not reported SIC Primary: Not reported Tribal Code: Not reported Supplemental Location Text: Not reported Dun & Brad Street Number: Not reported **Business Name:** Not reported Principal Product: Not reported Principal Product Description: Not reported

UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported

UTM Horizontal Coord: Not reported **UTM Vertical Coord:** Not reported Mailing Name: Not reported Mailing Contact Person: Not reported Mailing Street: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported Mailing Zip 4 Extension: Not reported Compliance Person: Not reported Compliance Area Code: Not reported Compliance Phone Number: Not reported **Emission Inventory Contact Person:** Not reported El Contact Area Code: Not reported El Contact Phone Number: Not reported Permit Contact Person: Not reported Permit Contact Person Area Code: Not reported Permit Contact Person Phone Number: Not reported Federal Employer Id Number: Not reported # Of Employees: Not reported Reporting Year: Not reported Date Record Was Created: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

C11 JOHN WIDDICOMB PROPERTY BEA S104909812
ESE 600 BLOCK OF FIFTH STREET NW N/A

1/4-1/2 GRAND RAPIDS, MI

0.394 mi.

2083 ft. Site 1 of 3 in cluster C

Relative: BEA:

Lower Secondary Address: Not reported

BEA Number: 66

Actual: District: Grand Rapids 612 ft. Date Received: 3/13/1996

Submitter Name: JDV Real Estate II, LLC

Petition Determination: Affirmed Petition Disclosure: 1

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: monetd

Division Assigned: Environmental Response Division

C12 600 FIFTH STREET N. W. BEA \$104911690 ESE 600 FIFTH STREET N. W. N/A

1/4-1/2 0.395 mi.

2087 ft. Site 2 of 3 in cluster C

GRAND RAPIDS, MI

Relative: BEA:

Lower Secondary Address: Not reported

BEA Number: 575

Actual: District: Grand Rapids 612 ft. Date Received: 8/18/1999

Submitter Name: Kent Record Management, Inc.

Petition Determination: Affirmed Petition Disclosure: 1

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: whitebl

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 576
District: Grand Rapids
Date Received: 8/18/1999

Submitter Name: Offsite Properties, L.L.C.

Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: monetd

Division Assigned: Environmental Response Division

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C13 **5TH STREET NW, 600 DEL SHWS** S106880364 N/A

ESE 600 5TH STREET NW 1/4-1/2 **GRAND RAPIDS, MI 49504**

0.395 mi.

2087 ft. Site 3 of 3 in cluster C

DELETED HWS: Relative:

Lower Facility ID: 41000997

> Status: Deleted - available documentation does not support listing

Actual:

612 ft.

BEA S108414595 14 **WALKER STREET LAUNDRY** WNW 1155 WALKER AVENUE NW N/A

1/4-1/2 **GRAND RAPIDS, MI**

0.403 mi. 2126 ft.

BEA: Relative:

Lower

Secondary Address: Not reported

BEA Number:

Actual: District: **Grand Rapids** 619 ft.

2/26/2008 12:59:00 AM Date Received: Blue Wave Investments LLC Submitter Name:

Petition Determination: Affirmed Petition Disclosure:

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: pawlosj2

Environmental Response Division Division Assigned:

Secondary Address: Not reported

BEA Number: 2234

District: **Grand Rapids** Date Received: 2/26/2008 12:59:00 AM

Submitter Name: BCS Inc Petition Determination: No Request

Petition Disclosure:

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: pawlosj2

Division Assigned: **Environmental Response Division**

Secondary Address: Not reported

BEA Number: 2045

District: **Grand Rapids**

Date Received: 2/27/2007 12:59:00 AM Submitter Name: **Huntington National Bank**

Petition Determination: Affirmed Petition Disclosure:

No Hazardous Substance(s) Category:

Determination 20107A: No Request Reviewer: knoerrp

Division Assigned: **Environmental Response Division**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

D15 4TH STREET NW, 615 **DEL SHWS** S106880362 SE N/A

615 4TH STREET NW

1/4-1/2 **GRAND RAPIDS, MI 49504**

0.410 mi.

2167 ft. Site 1 of 2 in cluster D

DELETED HWS: Relative:

Facility ID: 41000995 Lower

> Status: Deleted - available documentation does not support listing

Actual:

612 ft.

S106174328 D16 **615 FOURTH STREET NW** BEA N/A

SE **615 FOURTH STREET NW GRAND RAPIDS, MI** 1/4-1/2

0.410 mi.

2167 ft. Site 2 of 2 in cluster D

Relative:

Secondary Address: Not reported Lower

BEA Number: 1352

Actual: District: **Grand Rapids**

612 ft. 1/30/2004 12:59:00 AM Date Received: 2320 Properties LLC Submitter Name:

Petition Determination: No Request

Petition Disclosure:

Category: No Hazardous Substance(s)

Determination 20107A: No Request johnsonn Reviewer:

Division Assigned: **Environmental Response Division**

E17 **560 FIFTH STREET NW** BEA S104911795

ESE 560 FIFTH STREET NW 1/4-1/2 **GRAND RAPIDS, MI 49504**

0.427 mi.

2252 ft. Site 1 of 2 in cluster E

BEA: Relative:

Secondary Address: Not reported Lower

BEA Number: 1351

Actual: District: **Grand Rapids** 612 ft.

1/30/2004 12:59:00 AM Date Received: Submitter Name: 2320 Properties LLC

Petition Determination: No Request

Petition Disclosure: 0

No Hazardous Substance(s) Category:

Determination 20107A: No Request johnsonn Reviewer:

Division Assigned: **Environmental Response Division**

Secondary Address: Not reported BEA Number: 633 District: **Grand Rapids** 12/7/1999 Date Received:

Dillon Acquisition LLC Submitter Name:

Petition Determination: No Request

Petition Disclosure:

Different Hazardous Substance(s) Category:

Determination 20107A: No Request Reviewer: moyerr

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

560 FIFTH STREET NW (Continued) S104911795

Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 2953
District: Grand Rapids
Date Received: 6/6/2011 12:59:00 AM
Submitter Name: Fifth Third Bank

Petition Determination: No Request Petition Disclosure: 0

Category: Not reported Determination 20107A: No Request Reviewer: odonneld

Division Assigned: Environmental Response Division

E18 5TH STREET NW, 560 DEL SHWS S106880363
ESE 560 5TH STREET NW N/A

ESE 560 5TH STREET NW 1/4-1/2 GRAND RAPIDS, MI 49504

0.427 mi.

2252 ft. Site 2 of 2 in cluster E

Polative: DELETED HWS:

Relative: DELETED HWS:
Lower Facility ID: 41000996

Status: Deleted - available documentation does not support listing

Actual:

612 ft.

19 516 SEVENTH STREET NW BEA S109171386
East 516 SEVENTH STREET NW N/A

East 516 SEVENTH STREET NW 1/4-1/2 GRAND RAPIDS, MI 49504

1/4-1/2 GRAND RAPIDS, N 0.429 mi. 2264 ft.

Relative: BEA:

Lower Secondary Address: Not reported

BEA Number: 2349

 Actual:
 District:
 Grand Rapids

 612 ft.
 Date Received:
 8/18/2008 12:59:00 AM

Submitter Name: Oliver Products Co.
Petition Determination: No Request

Petition Disclosure: 0

Category: Different Hazardous Substance(s)

Determination 20107A: No Request Reviewer: pawlosj2

Division Assigned: Environmental Response Division

20 J & L ROOFING CO LUST U000257644
ENE 567 11TH ST NW UST N/A

1/4-1/2 GRAND RAPIDS, MI 49504

0.458 mi. 2419 ft.

Relative: LUST:

Lower Facility ID: 00002126

Source: STATE OF MICHIGAN

Actual: Owner Name: J & L Roofing Co
610 ft. Owner Address: 567 11th St NW

Owner City,St,Zip: Grand Rapids, MI 49504-4450

Direction Distance

Elevation Site Database(s) EPA ID Number

J & L ROOFING CO (Continued)

U000257644

EDR ID Number

Owner Contact: Not reported Owner Phone: (616) 459-0840

Country: USA

District: Grand Rapids District Office

 Site Name:
 J & L Roofing

 Latitude:
 42.9814760000

 Longitude:
 -85.6820280000

 Date of Collection:
 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number:C-1814-90Release Date:09/19/1990Substance Released:Not reportedRelease Status:ClosedRelease Closed Date:04/26/1994

UST:

Facility ID: 00002126
Facility Type: CLOSED
Latitude: 42.9814760
Longitude: -85.6820280
Owner Name: J & L ROOFING CO
Owner Address: 567 11TH ST NW

Owner City, St, Zip: GRAND RAPIDS, MI 49504-4450

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 459-0840
Contact: ROBERT BOOM
Contact Phone: (616) 459-0840
Date of Collection: 01/11/2001
Accuracy: 100

Accuracy Value Unit: FEET Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 1500
Install Date: Not reported Product: Gasoline Remove Date: 05/28/1991
Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

 21
 JACK'S SERV CTR
 LUST U003328781

 North
 850 LEONARD ST NW
 UST N/A

1/4-1/2 0.475 mi. 2509 ft.

Actual:

616 ft.

Relative: LUST:

Lower Facility ID: 00016860

GRAND RAPIDS, MI 49504

Source: STATE OF MICHIGAN
Owner Name: Jack's Serv Ctr
Owner Address: 850 Leonard St NW

Owner City, St, Zip: Grand Rapids, MI 49504-4155

Owner Contact: Not reported Owner Phone: (615) 459-0975

Country: USA

District: Grand Rapids District Office
Site Name: Jack's Service Center
Latitude: 42.9845990000
Longitude: -85.6905650000
Date of Collection: 02/19/2002

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Accuracy: 10

Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-0193-02
Release Date: 04/17/2002
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Leak Number:C-0461-03Release Date:11/06/2003Substance Released:Used OilRelease Status:ClosedRelease Closed Date:02/10/2004

UST:

Facility ID: 00016860
Facility Type: ACTIVE
Latitude: 42.9845990
Longitude: -85.6905650
Owner Name: JACK'S SERV CTR
Owner Address: 850 LEONARD ST NW

Owner City,St,Zip: GRAND RAPIDS, MI 49504-4155

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (615) 459-0975
Contact: Jack C Wielhouwer
Contact Phone: (616) 459-0925
Date of Collection: 02/19/2002

Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Direction Distance

Elevation Site Database(s) EPA ID Number

JACK'S SERV CTR (Continued)

Tank ID: 1

Tank Status: Currently In Use

Capacity: 8000
Install Date: 04/22/1984
Product: Gasoline
Remove Date: Not reported

Tank Release Detection: Automatic Tank Gauging

Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank

Constr Material: Cathodically Protected Steel, Epoxy Coated Steel

Impressed Device: Yes

Tank ID: 2

Tank Status: Currently In Use

Capacity: 4000
Install Date: 04/22/1984
Product: Gasoline
Remove Date: Not reported

Tank Release Detection: Automatic Tank Gauging

Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank

Constr Material: Cathodically Protected Steel, Epoxy Coated Steel

Impressed Device: Yes

Tank ID:

Tank Status: Removed from Ground

 Capacity:
 8000

 Install Date:
 04/22/1969

 Product:
 Gasoline

 Remove Date:
 11/05/2003

Tank Release Detection: Automatic Tank Gauging

Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel

Impressed Device: Yes

Tank ID: 4

Tank Status: Removed from Ground

 Capacity:
 500

 Install Date:
 04/22/1978

 Product:
 Used Oil

 Remove Date:
 11/06/2003

Tank Release Detection: Inventory Control, Manual Tank Gauging

Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: Yes

Tank ID: 5

EDR ID Number

U003328781

Direction Distance

Elevation Site Database(s) EPA ID Number

JACK'S SERV CTR (Continued)

U003328781

EDR ID Number

Tank Status: Currently In Use

Capacity: 45
Install Date: 04/22/1978
Product: OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel

Constr Material: Asphalt Coated or Bare Steel

Not reported

Impressed Device: No

Piping Type:

Tank ID: 6

Tank Status: Currently In Use

Capacity: 45
Install Date: 04/22/1978
Product: OIL
Remove Date: Not reported

Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 7

Tank Status: Currently In Use

Capacity: 35

Install Date: 04/22/1974
Product: OIL

Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 8

Tank Status: Currently In Use

Capacity: 35

Install Date: 04/22/1974 Product: OIL

Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

 22
 CITY OF GRAND RAPIDS
 LUST U002301774

 NNE
 800 LEONARD ST NW
 UST N/A

1/4-1/2 0.482 mi. 2546 ft.

Relative: LUST:

Lower Facility ID: 00038187

GRAND RAPIDS, MI 49504

Source: STATE OF MICHIGAN

Actual: Owner Name: City of Grand Rapids
615 ft. Owner Address: 300 Monroe NW
Owner City,St,Zip: Grand Rapids, MI 49503

Owner Contact: Not reported Owner Phone: (616) 456-3060

Country: USA

District: Grand Rapids District Office
Site Name: City Of Grand Rapids Right Of Wa

Latitude: 42.9851100000 Longitude: -85.6881390000 Date of Collection: 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number:C-0821-94Release Date:08/02/1994Substance Released:GasolineRelease Status:ClosedRelease Closed Date:03/31/1995

UST:

 Facility ID:
 00036405

 Facility Type:
 CLOSED

 Latitude:
 42.9851100

 Longitude:
 -85.6881390

Owner Name: MR STEVE KISHKORN
Owner Address: PO BOX 141426

Owner City, St, Zip: GRAND RAPIDS, MI 49514-1426

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 453-5034
Contact: STEVE KISHKORN

Contact Phone: () Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID: 1

Tank Status: Removed from Ground

Capacity: 1000
Install Date: Not reported
Product: Gasoline

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CITY OF GRAND RAPIDS (Continued)

U002301774

EDR ID Number

Remove Date: 04/30/1992 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Not reported Piping Type: Not reported Constr Material: Not reported Impressed Device:

Tank ID:

Tank Status: Removed from Ground

No

Capacity: 1000 Install Date: Not reported Product: Gasoline 04/30/1992 Remove Date: Tank Release Detection: Not reported Pipe Realease Detection: Not reported Not reported Piping Material: Piping Type: Not reported Not reported Constr Material:

Impressed Device: No

Tank ID:

Removed from Ground Tank Status:

Capacity: 1000 Install Date: Not reported Product: Gasoline 04/30/1992 Remove Date: Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Not reported Piping Type: Not reported Constr Material: Not reported

Impressed Device: No

Tank ID:

Removed from Ground Tank Status:

Capacity: 560

Install Date: Not reported Product: Gasoline Remove Date: 08/02/1994 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

23 937 LEONARD STREET NW BEA \$110300791
North 937 LEONARD STREET NW N/A

1/4-1/2 0.490 mi. 2586 ft.

Relative: BEA:

Lower Secondary Address: Not reported

GRAND RAPIDS, MI 49504

BEA Number: 2728

Actual: District: Grand Rapids

616 ft. Date Received: 5/20/2010 12:59:00 AM Submitter Name: Jarco Investments LLC

Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: wierzbid

Division Assigned: Environmental Response Division

24 FOUR STAR SERVICE LUST U003330473
SSE 513 STOCKING NW UST N/A
1/4-1/2 GRAND RAPIDS, MI 49548

1/4-1/2 0.493 mi. 2603 ft.

Relative: LUST: Lower Facility ID: 00001985

Source: STATE OF MICHIGAN

Actual: Owner Name: Four Star Service
613 ft. Owner Address: 6025 Division Ave S

Owner City, St, Zip: Grand Rapids, MI 49548-6737

Owner Contact: Not reported
Owner Phone: (616) 534-4913

Country: USA

District: Grand Rapids District Office
Site Name: Four Star Service Station #8

Latitude: 42.9720530000 Longitude: -85.6853610000 Date of Collection: 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-4013-85
Release Date: 10/01/1987
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/12/1997

UST:

 Facility ID:
 00001985

 Facility Type:
 CLOSED

 Latitude:
 42.9720530

 Longitude:
 -85.6853610

Owner Name: FOUR STAR SERVICE
Owner Address: 6025 DIVISION AVE S

Owner City,St,Zip: GRAND RAPIDS, MI 49548-6737

Direction Distance

Elevation Site Database(s) EPA ID Number

FOUR STAR SERVICE (Continued)

U003330473

EDR ID Number

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 534-4913
Contact: JEFREY M.TROST
Contact Phone: (616) 534-4913
Date of Collection: 01/11/2001

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 1000
Install Date: 04/17/1962
Product: Gasoline
Remove Date: 05/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 6000
Install Date: 04/17/1962
Product: Gasoline
Remove Date: 05/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 3

Tank Status: Removed from Ground

Capacity: 4000
Install Date: 04/17/1980
Product: Gasoline
Remove Date: 05/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

25 900 LEONARD STREET NW BEA \$108236696 North 900 LEONARD STREET NW N/A

1/4-1/2 0.498 mi. 2632 ft.

Relative: BEA:

Lower Secondary Address: Not reported

GRAND RAPIDS, MI 49504

BEA Number: 2113

 Actual:
 District:
 Grand Rapids

 616 ft.
 Date Received:
 7/2/2007 12:59:00 AM

Submitter Name: E5One Ministries, Incorporated

Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: johnsonn

Division Assigned: Environmental Response Division

Secondary Address: Not reported BEA Number: 2883

District: Grand Rapids
Date Received: 2/4/2011 12:59:00 AM
Submitter Name: The Geek Group Inc

Petition Determination: No Request Petition Disclosure: 0 Not reported Determination 20107A: No Request Reviewer: johnsonn

Division Assigned: Environmental Response Division

Secondary Address: Not reported BEA Number: 1962

District: Grand Rapids

Date Received: 11/6/2006 12:59:00 AM Submitter Name: Tillman-Colvin LLC Petition Determination: No Request

Detition Disclosures 0

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: heytg

Division Assigned: Environmental Response Division

26 AMERICAN SEATING COMPANY

East 901 BROADWAY NW 1/2-1 GRAND RAPIDS, MI 49504

0.554 mi. 2926 ft.

Relative: SHWS:

Lower Facility ID: 41000148

Facility Status: Inactive - no actions taken to address contamination

Actual: Source: Misc Manufacturing Industries

611 ft. SAM Score: 27

SAM Score Date: 10/12/2005 Township: 7N Range: 12W Section: 24 Quarter: NW

Quarter/Quarter: SE

TC3219405.8s Page 31

S108228834

N/A

SHWS

AIRS

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AMERICAN SEATING COMPANY (Continued)

S108228834

Not reported

Pollutants: Methylene chloride; VC

AIRS:

El Year: 2011 State Registration Number: B1713 Naics Code: Not reported Contact Name: Not reported Contact Phone: Not reported Contact Address: Not reported Contact City, St, Zip: Not reported Permit Number: 228-70 12/28/1970 Date Received: State Registration Number: B1713 Country: Not reported

Application Reason: **DUST COLLECTION SYS**

Record Type: Not reported State County FIPS: Not reported Facility Category: Not reported SIC Primary: Not reported Tribal Code: Not reported Not reported Supplemental Location Text: Dun & Brad Street Number: Not reported Business Name: Not reported Principal Product: Not reported Principal Product Description: Not reported

UTM Zone (Geo Coordinates Universal Transverse Mercator System):

UTM Horizontal Coord: Not reported **UTM Vertical Coord:** Not reported Mailing Name: Not reported Mailing Contact Person: Not reported Mailing Street: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported Mailing Zip 4 Extension: Not reported Compliance Person: Not reported Compliance Area Code: Not reported Compliance Phone Number: Not reported **Emission Inventory Contact Person:** Not reported El Contact Area Code: Not reported El Contact Phone Number: Not reported Permit Contact Person: Not reported Permit Contact Person Area Code: Not reported Permit Contact Person Phone Number: Not reported Federal Employer Id Number: Not reported # Of Employees: Not reported Reporting Year: Not reported Date Record Was Created: Not reported

Direction Distance

Distance EDR ID Number
Elevation Site EPA ID Number

 27
 FOUNDRY
 SHWS S108632560

 SE
 329 SUMMER AVE
 AIRS N/A

1/2-1 GRAND RAPIDS, MI 49504

0.800 mi. 4224 ft.

Relative: SHWS:

Lower Facility ID: 41000768

Facility Status: Inactive - no actions taken to address contamination

Actual: Source: Not reported

611 ft. SAM Score: 38

SAM Score Date: 06/02/2005
Township: 07N
Range: 12W
Section: 25
Quarter: NW
Quarter/Quarter: NE
Pollutants: Not reported

AIRS:

El Year: 1992 State Registration Number: A2460 Naics Code: Not reported Contact Name: Not reported Contact Phone: Not reported Contact Address: Not reported Contact City, St, Zip: Not reported Permit Number: Not reported Not reported Date Received: State Registration Number: A2460 Country: Not reported Application Reason: Not reported Not reported Record Type: State County FIPS: Not reported Facility Category: Not reported SIC Primary: 3363 Tribal Code: Not reported

Supplemental Location Text: Not reported Dun & Brad Street Number: 6026132

Business Name: NO-AM CORPORATION

Principal Product: Not reported Principal Product Description: Not reported

UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported

UTM Horizontal Coord: Not reported UTM Vertical Coord: Not reported

Mailing Name:

Mailing Contact Person:

Mailing Street:

Mailing City:

NO-AM CORPORATION
THOMAS MC DONALD
329 SUMMER AVE
GRAND RAPIDS

Mailing State: MI
Mailing Zip: 49504
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: BEN P TERRY

El Contact Area Code: 616
El Contact Phone Number: 9421930
Permit Contact Person: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

FOUNDRY (Continued) S108632560

Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: 381552638
Of Employees: 85

Of Employees: 85
Reporting Year: 89

Date Record Was Created: Not reported

28 900-1010 MONROE AVENUE NW DEL SHWS \$104911871
East 900-1010 MONROE AVENUE NW BEA N/A

1/2-1 GRAND RAPIDS, MI

0.895 mi. 4726 ft.

Relative: DELETED HWS:

Lower Facility ID: 41000941

Status: Delisted - no longer meets criteria specified in rules

Actual: 611 ft.

BEA:

Secondary Address: Not reported
BEA Number: 673
District: Grand Rapids
Date Received: 2/24/2000
Submitter Name: 940 Monroe L.L.C.
Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 674

District: Grand Rapids
Date Received: 2/24/2000
Submitter Name: 900 Monroe L.L.C.
Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

29 WHITTAKER ELECTRIC DEL SHWS \$105965947 NE 1320 FRONT N/A

1/2-1 GRAND RAPIDS, MI 49505

0.934 mi. 4933 ft.

Relative: DELETED HWS:

Lower Facility ID: 41000385

Status: Delisted - no longer meets criteria specified in rules

Actual: 606 ft.

Direction Distance

Elevation Site Database(s) EPA ID Number

30 648 MONROE AVE NW SHWS \$108896097 ESE 648 MONROE AVE NW N/A

ESE 648 MONROE AVE NW 1/2-1 GRAND RAPIDS, MI 49503

0.947 mi. 5001 ft.

Relative: SHWS:

Lower Facility ID: 41001057

Facility Status: Inactive - no actions taken to address contamination

Actual: Source: Not reported 612 ft. SAM Score: 34

612 ft. SAM Score: 34

SAM Score Date: 06/18/2007 Township: 7N

Range: 12W Section: 24 Quarter: SE Quarter/Quarter: SW

Pollutants: Cr+3; Pb; Ag; TCE; VC

31 AUTOBOND (FORMER) SHWS S105144244
ESE 706 BOND AVE. NW N/A

1/2-1 GRAND RAPIDS, MI 49503

0.976 mi. 5153 ft.

Relative: SHWS:

Lower Facility ID: 41000791

Facility Status: Interim Response conducted

Actual: Source: Automotive Stamping

615 ft. SAM Score: 30

SAM Score Date: 01/06/2005
Township: 07N
Range: 12W
Section: 24
Quarter: NE
Quarter/Quarter: SE

Pollutants: TCE; Metals

Count: 27 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BRADLEY	A100185123	GOODALE ENTERPRISES	W OFF 8TH 4	49504	AST
GRAND RAPIDS	S108488220	1034 & 1042 MICHIGAN AVE NE	1034TH & 1042ND MICHIGAN AVE	49503	SHWS
GRAND RAPIDS	S108632561	1620 LEONARD/1559 MACDONALD	1620TH LEONARD & 1559 MACDONA	49504	SHWS
GRAND RAPIDS	S109029665	KOCH MATERIALS CO.	566TH & 570 MARKET AVE SW	49503	SHWS
GRAND RAPIDS	S106096626	6025 & 6035 28TH STREET SE	6025TH & 6035 28TH ST SE		SHWS, BEA
GRAND RAPIDS	S103085176	68TH. ST. & DIVISION AREA	68TH ST		SHWS, DEL SHWS
GRAND RAPIDS	S111136381	NORTHEAST ELEMENTARY SCHOOL	ALPINE CH ST & B	49504	AIRS
GRAND RAPIDS	U004181771	THRIFTY TIRE & WHEEL CENTER	2518 ALPINE AVE	49504	UST
GRAND RAPIDS	U003328538	NORTH END TRANSMISSION SERVICE	802 ALPINE NE	49504	LUST, UST
GRAND RAPIDS	1014476746	MERCANTILE BANK PROPERTIES	420 AND 430 STOCKING AVE	49504	US BROWNFIELDS
GRAND RAPIDS	S108632562	NE CORNER OF GRANDVILLE SW AND FRA	NE CORNER OF GRANDVILLE SW	49503	SHWS
GRAND RAPIDS	S103594326	GRANDVILLE DUMP	INDIAN MOUNDS RD NW	49504	SHWS
GRAND RAPIDS	U001147846	BUSINESS BUILDING	800 LEONARD ST NW	49504	LUST
GRAND RAPIDS	A100252581	GOODALE ENTERPRISES	LUCE AVE & 8TH AVE	49504	AST
GRAND RAPIDS	U004181478	MARATHON UNIT #1244	STOCKING & 6TH ST	49504	UST
GRAND RAPIDS	S105852888	GERRIT BROS	USHY 131 & 68TH		LUST
GRAND RAPIDS	S108228847	CONSUMERS ENERGY-TRANSMISSION STAT	WEALTHY ST SW	49504	SHWS
GRAND RAPIDS	S110126679	CONSUMERS ENERGY	WEALTHY STREET EXT	49503	SHWS
GRAND RAPIDS	S108986872	WHITE PINE TRAIL - APPROXIMATELY 4	WHITE PINE TRL	49503	BEA
LOWELL	U003327897	CRYSTAL FLASH #51 & CARD LOCK	1102 LINCOLN LAKE RD	49504	LUST, UST
WALKER	S105144212	H. BROWN CO., INC.	2200 / 2160 TURNER AVE. NW	49504	SHWS
WALKER	1001202431	MI DEPT/TRANSPORTATION BRIDGE S01S	USHY 131 N & S OVER PARK ST S0	49504	RCRA-NonGen, FINDS
WALKER	S110126677	WALKER AVENUE GW CONTAMINATION	WALKER 2201 & 2241ST SHARP	49504	SHWS
WAYLAND	A100185113	GOODALE ENTERPRISES	E OFF 8TH 4	49504	AST
WAYLAND	A100185103	GOODALE ENTERPRISES	E OFF 7TH 5	49504	AST
WAYLAND	A100185107	GOODALE ENTERPRISES	N OFF 132ND AT 8TH ST	49504	AST
WAYLAND	A100185108	GOODALE ENTERPRISES	N OFF 132ND AT 7TH ST	49504	AST

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011 Source: EPA
Date Data Arrived at EDR: 07/12/2011 Telephone: N/A

Number of Days to Update: 79 Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011 Source: EPA
Date Data Arrived at EDR: 07/12/2011 Telephone: N/A

Number of Days to Update: 79 Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011 Date Data Arrived at EDR: 07/12/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 79

Source: EPA Telephone: N/A

Last EDR Contact: 10/12/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/29/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 10/14/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/29/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011 Date Data Arrived at EDR: 03/15/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 91

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 11/14/2011

Next Scheduled EDR Contact: 02/27/2012 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 10/04/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/31/2011 Date Data Arrived at EDR: 11/02/2011 Date Made Active in Reports: 11/22/2011

Number of Days to Update: 20

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/02/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 02/14/2011

Number of Days to Update: 38

Source: Department of Natural Resources & Environment

Telephone: 517-335-4035 Last EDR Contact: 10/03/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 10/06/2011 Date Made Active in Reports: 11/16/2011

Number of Days to Update: 41

Source: Department of Natural Resources & Environment

Telephone: 517-373-9837 Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011 Date Data Arrived at EDR: 06/02/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 103

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011 Date Data Arrived at EDR: 09/13/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 59

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 11/01/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 10

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/01/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 7

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011 Date Data Arrived at EDR: 02/01/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 48

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011 Date Data Arrived at EDR: 08/12/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 32

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 10/06/2011 Date Made Active in Reports: 11/15/2011

Number of Days to Update: 40

Source: Department of Natural Resources & Environment

Telephone: 517-335-4035 Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 07/29/2011 Date Made Active in Reports: 09/06/2011

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 517-335-7211 Last EDR Contact: 10/24/2011

Next Scheduled EDR Contact: 02/06/2012 Data Release Frequency: Quarterly

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 09/21/2011 Date Data Arrived at EDR: 09/27/2011 Date Made Active in Reports: 11/15/2011

Number of Days to Update: 49

Source: Department of Natural Resources & Environment

Telephone: 517-373-8168 Last EDR Contact: 11/17/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 7

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011 Date Data Arrived at EDR: 08/12/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 32

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 39

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011 Date Data Arrived at EDR: 06/01/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 13

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011 Date Data Arrived at EDR: 08/26/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 18

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 11/01/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 10

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/17/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 09/19/2011 Date Data Arrived at EDR: 09/21/2011 Date Made Active in Reports: 09/30/2011

Number of Days to Update: 9

Source: Department of Natural Resources & Environment

Telephone: 517-373-4828 Last EDR Contact: 12/05/2011

Next Scheduled EDR Contact: 03/19/2012 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 10/04/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 11/04/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/22/2011

Number of Days to Update: 18

Source: Department of Natural Resources & Environment

Telephone: 517-373-4805 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detrot Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007 Date Data Arrived at EDR: 04/10/2007 Date Made Active in Reports: 05/01/2007

Number of Days to Update: 21

Source: Economic Development Corporation

Telephone: 888-522-0103 Last EDR Contact: 12/05/2011

Next Scheduled EDR Contact: 03/19/2012 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011 Date Data Arrived at EDR: 06/27/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 78

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 09/28/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009 Date Data Arrived at EDR: 09/30/2010 Date Made Active in Reports: 10/28/2010

Number of Days to Update: 28

Source: Department of Natural Resources & Environment

Telephone: 517-241-5719 Last EDR Contact: 10/06/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997 Date Data Arrived at EDR: 02/28/2003 Date Made Active in Reports: 03/06/2003

Number of Days to Update: 6

Source: Department of Natural Resources & Environment

Telephone: 517-335-4034 Last EDR Contact: 02/28/2003 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 11/07/2011

Next Scheduled EDR Contact: 02/20/2012 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 12/05/2011

Next Scheduled EDR Contact: 03/19/2012 Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 11/07/2011 Date Data Arrived at EDR: 11/07/2011 Date Made Active in Reports: 11/22/2011

Number of Days to Update: 15

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 11/21/2008

Number of Days to Update: 3

Source: Department of Community Health

Telephone: 517-373-3740 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012

Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 07/29/2011 Date Made Active in Reports: 09/06/2011

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 517-335-7211 Last EDR Contact: 10/24/2011

Next Scheduled EDR Contact: 02/06/2012 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 06/13/2011 Date Data Arrived at EDR: 07/25/2011 Date Made Active in Reports: 07/29/2011

Number of Days to Update: 4

Source: Department of Natural Resources & Environment

Telephone: 517-373-9837 Last EDR Contact: 10/28/2011

Next Scheduled EDR Contact: 02/06/2012 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 10/04/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 06/01/2011 Date Data Arrived at EDR: 10/21/2011 Date Made Active in Reports: 11/16/2011

Number of Days to Update: 26

Source: Department of Natural Resources & Environment

Telephone: 517-373-8427 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 08/09/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/08/2011

Next Scheduled EDR Contact: 02/20/2012 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/20/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/03/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/31/2011 Date Data Arrived at EDR: 09/14/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 15

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/14/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/21/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 99

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/29/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 09/08/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/08/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 94

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 12/02/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/27/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011 Date Data Arrived at EDR: 01/21/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 59

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/19/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011 Date Data Arrived at EDR: 07/15/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 60

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011 Date Data Arrived at EDR: 01/13/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/13/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 41

Source: EPA

Telephone: (312) 353-2000 Last EDR Contact: 09/13/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Source: EPA

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/30/2011

Number of Days to Update: 62

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Biennially

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/28/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 03/28/2011

Telephone: 517-373-9875

Last EDR Contact: 11/28/2011

Number of Days to Update: 27

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 11/01/2011 Date Data Arrived at EDR: 11/02/2011 Date Made Active in Reports: 11/22/2011

Source: Department of Natural Resources & Environment Telephone: 517-241-1515

Source: Department oF Natural Resources & Environment

Last EDR Contact: 10/31/2011

Number of Days to Update: 20

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments A listing of drycleaning facilities in Michigan.

Date of Government Version: 11/08/2011 Date Data Arrived at EDR: 11/10/2011

Source: Department of Natural Resources & Environment

Telephone: 517-335-4586 Date Made Active in Reports: 11/22/2011

Last EDR Contact: 10/24/2011 Next Scheduled EDR Contact: 02/06/2012

Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

Number of Days to Update: 12

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/11/2011 Date Data Arrived at EDR: 10/12/2011 Date Made Active in Reports: 11/16/2011 Number of Days to Update: 35

Source: Department of Natural Resources & Environment

Telephone: 517-241-1300 Last EDR Contact: 10/12/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

> Date of Government Version: 09/21/2011 Date Data Arrived at EDR: 10/27/2011 Date Made Active in Reports: 11/22/2011

Number of Days to Update: 26

Source: Department of Natural Resources & Environment

Telephone: 517-373-7074 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 08/29/2011 Date Data Arrived at EDR: 08/31/2011 Date Made Active in Reports: 09/09/2011

Number of Days to Update: 9

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 11/21/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/20/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 10/24/2011

Next Scheduled EDR Contact: 02/06/2012 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/20/2011

Next Scheduled EDR Contact: 01/30/2012

Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 11/04/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010 Date Data Arrived at EDR: 01/03/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 09/16/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 10/18/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011 Date Data Arrived at EDR: 04/21/2011 Date Made Active in Reports: 05/13/2011

Number of Days to Update: 22

Source: Department of Natural Resources & Environment

Telephone: 586-753-3754 Last EDR Contact: 10/11/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/21/2011 Date Data Arrived at EDR: 10/25/2011 Date Made Active in Reports: 11/16/2011 Number of Days to Update: 22 Source: Department of Natural Resources & Environment

Telephone: 517-335-6610 Last EDR Contact: 10/11/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 02/14/2011

Number of Days to Update: 38

Source: Department of Natural Resources & Environment

Telephone: 517-335-4034 Last EDR Contact: 10/03/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/11/2009

Number of Days to Update: 16

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 07/20/2011 Date Made Active in Reports: 08/11/2011

Number of Days to Update: 22

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 10/18/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 08/01/2011 Date Data Arrived at EDR: 08/09/2011 Date Made Active in Reports: 09/16/2011

Number of Days to Update: 38

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/08/2011

Next Scheduled EDR Contact: 02/20/2012 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/14/2009

Number of Days to Update: 13

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 06/24/2011 Date Made Active in Reports: 06/30/2011

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/15/2011

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

STOCKING ELEMENTARY 863 7TH ST NW GRAND RAPIDS, MI 49504

TARGET PROPERTY COORDINATES

Latitude (North): 42.97840 - 42° 58' 42.2" Longitude (West): 85.6901 - 85° 41' 24.4"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 606808.9 UTM Y (Meters): 4759033.5

Elevation: 622 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 42085-H6 GRAND RAPIDS WEST, MI

Most Recent Revision: 1996

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

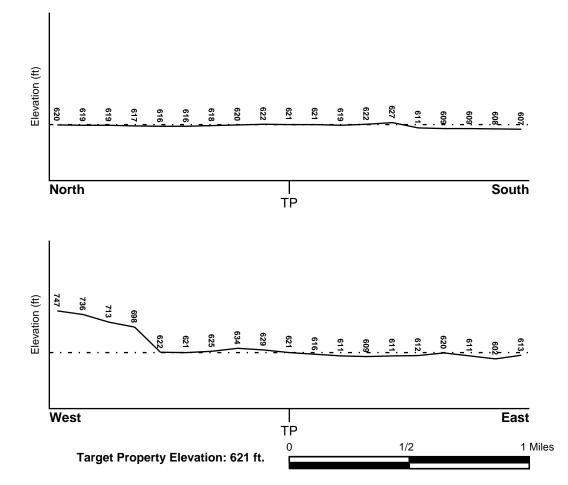
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Electronic Data

Target Property County
KENT, MI
Electronic Data
YES - refer to the C

KENT, MI YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2601060005C - FEMA Q3 Flood data

Additional Panels in search area: 2601060010C - FEMA Q3 Flood data

2601060015C - FEMA Q3 Flood data 2601060020C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

GRAND RAPIDS WEST YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Location Relative to TP: 1 - 2 Miles NNE

Site Name: Peninsular Plating Company

Site EPA ID Number: MID981195696

Surficial Aguifer Flow Dir.: NE TOWARD INDIAN MILL CREEK.

Measured Depth to Water: 5 feet to 8 feet.

Hydraulic Connection: The surficial aquifer is located within a shallow sand formation and

is underlain by 17 feet of hard glacial till.

Sole Source Aquifer: No information about a sole source aquifer is available

Data Quality: No information about a sole source aquifer is available

Information based on site-specific subsurface investigations is

documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

	LOCATION	GENERAL DIRECTION
MAP ID	FROM TP	GROUNDWATER FLOW
1	1/4 - 1/2 Mile ENE	Not Reported
2	1/4 - 1/2 Mile SSE	SW
3	1/4 - 1/2 Mile WNW	N
4	1/2 - 1 Mile South	ENE
5	1/2 - 1 Mile SSW	Not Reported
6	1/2 - 1 Mile East	S
7	1/2 - 1 Mile NE	NW
8	1/2 - 1 Mile NE	Not Reported
9	1/2 - 1 Mile East	W
A10	1/2 - 1 Mile ENE	NW
A11	1/2 - 1 Mile NE	S
B12	1/2 - 1 Mile SSE	E
B13	1/2 - 1 Mile SSE	Not Reported
14	1/2 - 1 Mile WNW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Paleozoic Category: Stratified Sequence

System: Mississippian
Series: Meramecian Series

Code: M2 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: CAPAC

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic

conductivity, wet state high in profile, etc. Depth to water table is

1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

	Soil Layer Information						
Boundary				Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	8 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
2	8 inches	35 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
3	35 inches	60 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy fine sand

muck sandy loam fine sandy loam

sand

loamy sand

Surficial Soil Types: loamy fine sand

muck sandy loam fine sandy loam

sand loamy sand

Shallow Soil Types: loamy sand

loamy very fine sand

sand

Deeper Soil Types: fine sand

clay loam stratified sandy loam loamy fine sand

muck sand

gravelly - sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION

MAP ID WELL ID FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION MAP ID WELL ID FROM TP

No PWS System Found

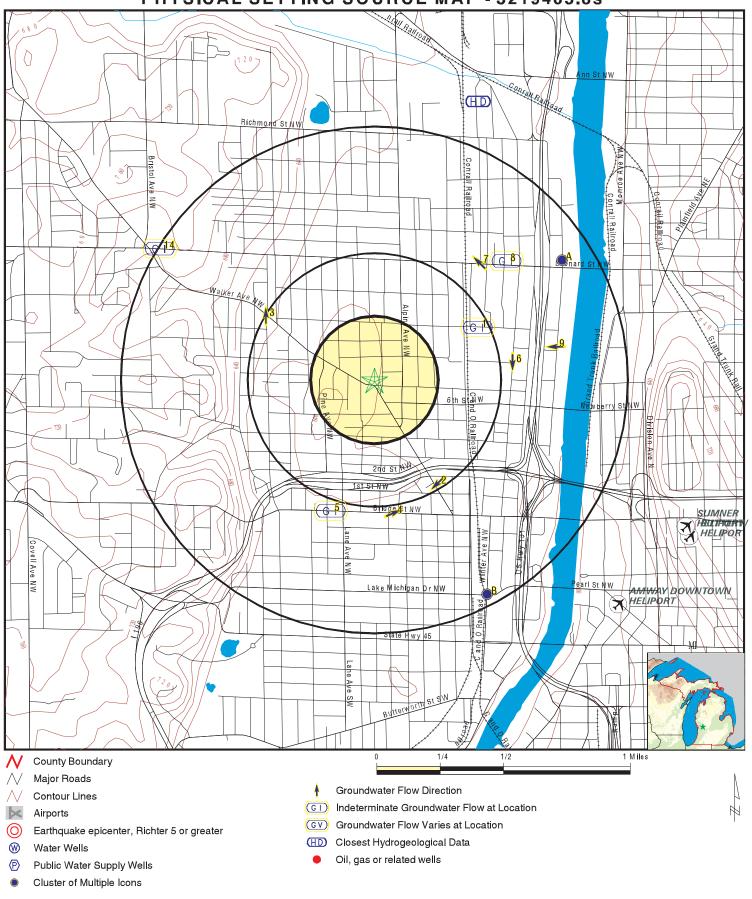
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 3219405.8s



SITE NAME: Stocking Elementary ADDRESS: 863 7th St NW

Grand Rapids MI 49504 LAT/LONG: 42.9784 / 85.6901

CLIENT: NTH Consult CONTACT: Steve Crider NTH Consultants Ltd.

INQUIRY#: 3219405.8s

DATE: December 06, 2011 11:41 am

Map ID Direction Distance Elevation			Database	EDR ID Number
1 ENE 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-002126 Not Reported Not Reported Not Reported 15 10/31/1990	AQUIFLOW	28602
2 SSE 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410107 SW Not Reported Not Reported 8 03/01/1996	AQUIFLOW	27792
3 WNW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-016994 N Not Reported Not Reported 10-12 07/22/1998	AQUIFLOW	28465
4 South 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410556 ENE Not Reported Not Reported 15 07/21/1986	AQUIFLOW	28548
5 SSW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-006157 Not Reported Not Reported 12 Not Reported 02/11/1987	AQUIFLOW	27832
6 East 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410148 S Not Reported Not Reported 7 to 11 04/28/1995	AQUIFLOW	27979
7 NE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	69264-S NW Not Reported Not Reported Not Reported 02/26/1993	AQUIFLOW	28517

Map ID Direction				
Distance Elevation			Database	EDR ID Number
8 NE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-002326 Not Reported Not Reported Not Reported 8 11/23/1994	AQUIFLOW	28447
9 East 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-007217 W Not Reported Not Reported 7 01/15/1997	AQUIFLOW	28583
A10 ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410249 NW 4 8 Not Reported 02/11/1991	AQUIFLOW	28513
A11 NE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	15285 S 7.5 Not Reported Not Reported 06/24/1998	AQUIFLOW	27702
B12 SSE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410563 E Not Reported Not Reported 7 01/08/1997	AQUIFLOW	28575
B13 SSE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-017835 Not Reported 3 5 Not Reported 06/1990	AQUIFLOW	28090
14 WNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410367 Not Reported Not Reported Not Reported 10 Not Reported	AQUIFLOW	27993

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
49504	2/9/2007		1.3
49504	3/20/2007		1.3
49504	2/17/1994		1.3
49504	11/21/1998		1.3
49504	10/30/1998		1.3
49504	12/18/1997		1.3
49504	11/23/1998		1.3
49504	11/2/1998		1.3
49504	1/30/2001		1.3
49504	1/31/2009		1.3
49504	1/19/2010		1.3
49504	9/21/2009		1.3
49504	11/10/1998		1.2
49504	11/5/1998		1.2
49504	11/16/1998		1.2
49504	11/28/1998		1.2
49504	12/14/1998		1.2
49504	12/26/1998		1.2
49504	11/2/1998		1.2
49504	12/16/1998		1.2
49504	12/14/1998		1.2
49504	12/17/1998		1.2
49504	1/9/1998		1.2
49504	4/25/1998		1.2
49504	3/5/2002		1.2
49504	2/2/2000		1.3
49504	5/18/2001		1.3
49504	3/19/2009		1.3
49504	3/5/2009		1.3
49504	4/21/1994		1.2
49504	11/5/1999		1.2
49504	12/24/1999		1.2
49504	2/1/2002		1.2
49504	7/1/2005		1.2
49504	2/9/2007		1.2
49504	4/24/2006		1.2
49504	1/13/2006		1.2
49504	11/27/1998		1.1
49504	2/22/1999		1.1
49504	12/14/1998		1.1
49504	12/14/1998		1.1
49504	12/22/1998		1.1
49504	10/29/1998		1.1
49504	12/31/1993		1.1
49504	12/31/1993		1.1
49504	4/9/2002		1.1
49504	4/3/2002		1.1
-1000 -			

	10/29/1998	1.1
40504		
49504	2/16/2000	1.2
49504	10/15/2009	1.2
49504	2/21/2009	1.2
49504	11/21/1997	1.1
49504	3/9/1996	1.1
49504	11/19/1998	1.1
49504	12/22/1998	1.1
49504	9/26/2007	1.1
49504	4/22/1999	1.1
49504	4/15/1999	1.1
49504	1/20/2009	1.1
49504	2/22/2005	1.1
49504	3/28/2005	1.1
49504	8/26/2006	1.1
49504	5/17/2007	1.1
49504	1/25/2008	1.1
49504	1/18/2008	1.1
49504	3/12/2007	1.1
49504	1/27/1999	1.0
49504	1/11/1999	1.0
49504	12/14/1998	1.0
49504	11/10/1997	1.0
49504	1/11/1999	1.0
49504	3/5/1994	1.0
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49504	1/24/2009	1.0
49504	2/13/2009	1.0
49504	1/12/2009	1.0
49504	11/14/2009	1.0
49504	12/5/2005	1.0
49504	2/10/2007	1.0
49504	3/2/2007	1.0
49504	10/1/2007	1.0
49504	1/21/2008	1.0
49504		

	3/16/2007		1.0
49504	4/24/2008		1.0
49504	5/7/2007		1.0
	12/22/1998		1.8
49504			
49504	12/16/1998		1.8
49504	12/26/1998		1.8
49504	11/30/1993		1.8
49504	11/19/1998		1.8
49504	11/20/1998		1.8
49504	11/13/1998		1.8
49504	1/2/1999		1.8
49504	11/10/1998		1.8
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49504	11/19/2001		1.8
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49504	5/10/2007		1.9
49504	2/26/2007		1.9
49504	10/29/1994		1.9
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49504	9/13/1999		1.9
49504	10/10/2009		1.9
49504	6/29/2009		1.9
49504	12/16/2008		1.9
49504	11/3/1997		1.8
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49504	12/14/1998	<	0.3
49504	12/11/1998	<	0.3
49504	11/17/1997	<	0.3
49504	12/18/1998	<	0.3
49504	12/22/1998	<	0.3
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49504	3/1/1999	<	0.3
49504	7/9/2005	<	0.3
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49504	7/9/2005	<	0.3
49504	4/24/1998	<	0.3
49504	4/14/1998	<	0.3
49504	11/5/1998	<	0.3
49504	11/19/1998	<	0.3
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		<	
49504	8/26/2005	<	0.3
49504	1/9/2006		0.5
49504	3/17/2008		0.5
49504	9/7/2001	<	0.3
49504	2/26/2007		0.5
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49504	3/28/2003	<	0.3
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49504	1/15/2010		0.5
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	2/21/1995		0.4
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49504	5/6/2002	<	0.3
49504 49504	2/23/2007 2/24/1999	<	0.3 0.3
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49504	1/11/1999	<	0.3
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49504	11/28/1998		0.9
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	10/20/1000	0.0
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49504	8/26/2006	0.7
49504	10/27/2006	0.7
49504	11/3/2003	0.9
49504	12/15/2003	0.9
49504	5/3/2006	0.6
49504	2/5/2007	0.6
49504	1/28/2008	0.7
49504	2/23/2008	0.7
49504	3/3/2007	0.7
49504	9/5/2006	0.6
49504	1/22/2008	0.6
49504	11/8/2008	0.0
49504	6/6/2007	0.6
49504	7/9/2007	0.6
49504	2/4/2008	0.6
49504	4/9/2008	0.8
49504	4/7/2008	0.8
49504	6/4/2001	0.7
49504	2/15/2007	0.9
49504	4/25/2006	0.9
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49504	4/25/2001	0.6
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49504	2/15/2000	0.8
49504	8/10/1999	0.7
49504	12/15/2008	0.7
49504	3/2/2007	0.9
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49504	4/11/2009	0.6
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49504	2/9/2009	0.7
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49504	6/4/1998	2.3
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49504	2/17/2004	2.3
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		<	
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49504	12/15/2008	<	0.3
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49504	11/12/1998		3.8
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	1/24/2009	<	0.3
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49504	12/29/2009		1.7
49504	3/30/2001		1.7
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			1.7
49504 49504	2/9/1999 10/30/1998		1.7
			1.7
49504	11/5/1998		
49504	1/10/2005		1.7
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49504	12/4/1998		7.2
49504	3/18/1997		7.2
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49504	11/17/2008		5.6
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49504	11/2/2005		4.7
49504	2/2/2009		5.8
49504	7/13/2009		4.7
49504	4/11/2002		5.3
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	11/21/1998	4.1
40504	12/6/2007	4.4
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	5/8/2002	
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	12/18/1998	
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49504	11/23/1998	1.4
49504	10/31/1998	1.4
49504	11/17/1998	1.4
49504	12/3/1998	1.4
49504	12/2/1998	1.4
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49504	2/20/2001	1.4
49504	10/31/2009	1.4
49504	1/26/2009	1.4
49504	11/20/1998	1.3
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

11/24/1998 1.3 49504 3/13/2008 1.4 49504 1/4/2008 1.4

Federal EPA Radon Zone for KENT County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 49504

Number of sites tested: 12

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Living Area - 2nd Floor Not Reported Not Reported Basement 1.533 pCi/L 100% 0% 0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551 Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by

Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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APPENDIX E

CITY DIRECTORIES

Stocking Elementary

863 7th St NW Grand Rapids, MI 49504

Inquiry Number: 3219405.12

December 08, 2011

The EDR-City Directory Image Report



TABLE OF CONTENTS

SECTION

Executive Summary

Findings

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>TP</u>	<u>Adjoining</u>	<u>Source</u>
2011		$\overline{\checkmark}$	Polk's City Directory
2006	$\overline{\checkmark}$	$\overline{\checkmark}$	Polk's City Directory
2001	$\overline{\checkmark}$	$\overline{\checkmark}$	Polk's City Directory
1995	$\overline{\mathbf{V}}$	$\overline{\checkmark}$	Polk's City Directory
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1932		$\overline{\checkmark}$	Polk's City Directory
1928		$\overline{\checkmark}$	Polk's City Directory
1923		$\overline{\square}$	Polk's City Directory
1919	$\overline{\checkmark}$	$\overline{\checkmark}$	Polk's City Directory
1914	<u> </u>	<u> </u>	Polk's City Directory
1909			Polk's City Directory
1905			Polk's City Directory

RECORD SOURCES

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FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

863 7th St NW Grand Rapids, MI 49504

TARGET PROPERTY FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
2006	pg A2	Polk's City Directory
2001	pg A3	Polk's City Directory
1995	pg A5	Polk's City Directory
1990	pg A6	Polk's City Directory
1985	pg A7	Polk's City Directory
1980	pg A8	Polk's City Directory
1975	pg A10	Polk's City Directory
1970	pg A12	Polk's City Directory
1966	pg A14	Polk's City Directory
1961	pg A15	Polk's City Directory
1951	pg A16	Polk's City Directory
1946	pg A17	Polk's City Directory
1941	pg A18	Polk's City Directory
1919	pg A23	Polk's City Directory
1914	pg A24	Polk's City Directory

Page 3

FINDINGS

ADJOINING PROPERTY DETAIL

7th St NW

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7th St NW <u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2011	pg. A1	Polk's City Directory	
2006	pg. A2	Polk's City Directory	
2001	pg. A3	Polk's City Directory	
	pg. A4	Polk's City Directory	
1995	pg. A5	Polk's City Directory	
1990	pg. A6	Polk's City Directory	
1985	pg. A7	Polk's City Directory	
1980	pg. A8	Polk's City Directory	
	pg. A9	Polk's City Directory	
1975	pg. A10	Polk's City Directory	
	pg. A11	Polk's City Directory	
1970	pg. A12	Polk's City Directory	
	pg. A13	Polk's City Directory	
1966	pg. A14	Polk's City Directory	
1961	pg. A15	Polk's City Directory	
1956	-	Polk's City Directory	Street not Listed In Research Source
1951	pg. A16	Polk's City Directory	
1946	pg. A17	Polk's City Directory	
1941	pg. A18	Polk's City Directory	
1936	pg. A19	Polk's City Directory	
1932	pg. A20	Polk's City Directory	
1928	pg. A21	Polk's City Directory	
1923	pg. A22	Polk's City Directory	
1919	pg. A23	Polk's City Directory	
1914	pg. A24	Polk's City Directory	
1909	-	Polk's City Directory	Address Not Listed In Research Source
1905	-	Polk's City Directory	Address Not Listed In Research Source

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Street:YearTPAdjoiningSource7th St NW2011-✓Polk's City Directory

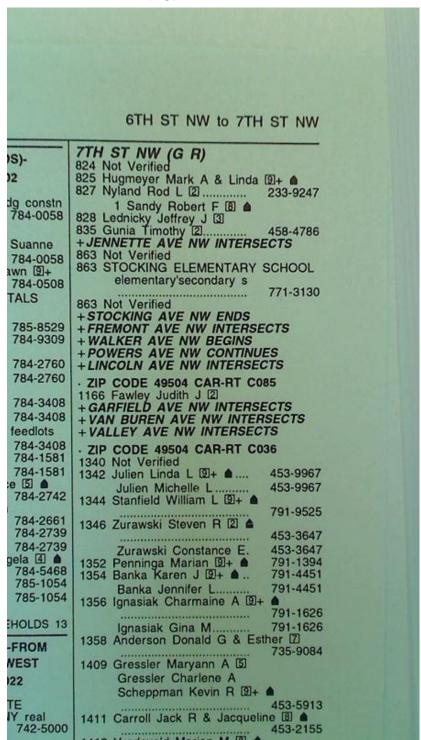
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Street:YearTPAdjoiningSource7th St NW2001✓Yolk's City Directory

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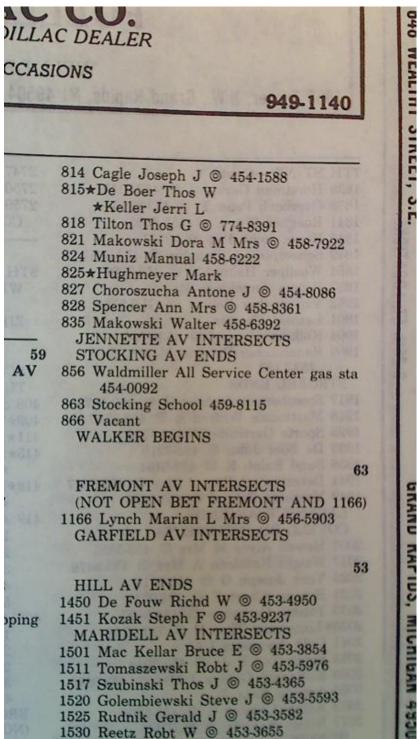
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154-8634	+ MC REYNOLDS AV INTERESE 454-4876	1716 Wahl Hug
154-8634	+ MC REYNOLDS AV INTERSECTS	11 10 Wani Hug
154-8634	741-746 Not Verified (4 Hses)	Wahl Stev
	747@Miller Jeff	1 1/1/ Vander W.
159-6760	752 Not Verified 458-9035	1719 Oracz Dia
	TOWIT AND ON HACKY A	1 1/23 Not Verille
	(9(-/00 Not Verified // Li-	1726 Pettersch
•	TOO I Reliai Dwight [2]	4444731
158-1944	+ ALPINE AV INTERSECTS 451-2158	1735 Dunlap Ro
154-2998	800 D C SCREEN PRINTERS too abid	1736 Michalski
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	BOG-BOE Not Variety to 11	1740 Wasko Ro
154-5392	000 Hollman Louise R GL A	Wasko Mi
151-3765	OTT INOU VEHINGU	1749 Taylor Chi
401-0700	814 Cagle Doris M 🗓+ 🌢 454-1588	1750 Baranoski
	B15 Not Veritied	1755 Price Rose
	815 Fisher Robert [7]	1756 Czarnopys
53	818 Tilton Thomas G & Lorraine 🖫+ 🛕	1757 Lodes Wa
~	774-8349	+ (NOT OPEN I
	821 Makowski Anna D 🗓+ ੈ 458-7922	1808 Garter Ma
	Cioce Marie A458-7922	Garter Ste
[9]+ a	824 Muniz Manuel & Pauline 🗓+ ੈ 458-6222	Garter Aud 1809 Schaaf Alb
453-7073	825 Hugmeyer Mark & Linda [2] A	1809 Schaar Alt
100 1010	827 Not Verified	1814 Westhouse
453-3204	828 Spencer Ann 🕮+ 角 458-8361	1014 Westilouse
TOO OLOT	835 Not Verified	1822 Vander Ve
	+ JENNETTE AV NW INTERSECTS	
453-9344	+ STOCKING AV NW INTERSECTS	1825 Mondry An
453-9344	856 WALDMILLER ALL SERVICE CENTER	
	garage454-0092 863 STOCKING ELEMENTARY SCHOOL	1830 Not Verifie
1+ @	863 STOCKING ELEMENTARY SCHOOL	1833 Horstman
453-3774	+ WALKER NW INTERSECTS 771-3130	
	+ WALKER NW INTERSECTS	1838 Smith Rob
791-8296		1841 Ruegner N 1846 Kopec Eliz
	+ FREMONT AV INTERSECTS + (NOT OPEN BET FREMONT AND 1166)	Kopec Sar
453-3434	1166 Smith Judy J 🖺 ੇ	1849 Brey John
- 🛕	Howland Juanita J454-5181	1854 Not Verifie
453-8047	Fawley Christopher C454-5181	1857 Popma An
•	A A SELECT OF A VIANTED SECTS	1862 Carlson Je
791-9620	+ GANHELD AV INTERSECTO 53	
		1901 Lazoski Ch
		1904 Kolkman B
453-0643		1909 Not Verifier + STROBEL AV
- and the first of the	1342 Julien Linda L 3 791-7292 1344 Stanfield William 791-7292	+ STROBEL AV
791-9501	1344 Stanfield William 1346 Zurawski Raymond V & Constance 453-3647	1917 Steeliberge
Ð+ 🛕	701-1304	1918 Martindale
453-5509	1352 Penninga Marian 🖪 ੈ	1925 Klein Howa
791-1881	1354 Vacant 791-1626	1933 De Boer Jo
453-9295	1356 Ignasiak Charmaine A 19	
	1358 Denton Honaid & Marian 453-0670	1936 Sund Ralph
452 0002	1415 Lyon Charlene (453-0670	1941 Czerney Tr
453-8082 19+	Lyon Sara C & Shirley 3 6	1949 Veenstra R
453-8184	1409 Scheppman Haymond 453-5913	+ LARKSPUR A
a 🔟 🛕	453-5913	+ COVELL RD N
791-7304	Scheppman Kevin Hamman 1411 RIDGEWOOD CONDOMINIUMS 791-9369	2005 Howell Alvo
791-7304	1411 RIDGEWOOD CONDOMINION 791-9369	2017 Wright Kath
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7th St NW		
803 Smith Urban T @ 456-6282	1 30	180
805 Miles Myles		
808 Hoffman Louise R Mrs @ 458-6628		18
811 Vacant		18:
814 Cagle Joseph J @ 454-1588		Sec.
815 De Boer Thos W @ 459-0620		18
★Lukas Jennie R 235-2014		18
818 Tilton Thos G © 774-8349		18
821 Makowski Anna D @ 458-7922		18
824 Muniz Manuel © 458-6222		18
		18
825★Hugameyer Mark ⊚		18
827 Choroszucha Antone J © 454-8086		18
828 Spencer Ann Mrs @ 458-8361		18
835 No Return		18
★Potyraj Joseph M 235-1237		19
JENNETTE AV NW INTERSECTS		19
STOCKING AV NW ENDS		19
856 Waldmiller All Service Center gas sta		10
454-0092		19 19
863 Stocking School 771-3130		19
59 WALKER NW BEGINS		19
AV	63	19
FREMONT AV INTERSECTS	00	19
(NOT OPEN BET FREMONT AND		19
1166)		
1166 Smith Richd L @ 454-5181		
GARFIELD AV INTERSECTS		20
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HILL AV ENDS		20
1450 De Fouw Richd W @ 453-4950		20
1451 Kuiper Wm ⊚ 453-3532		20
MARIDELL AV INTERSECTS		20
33 1501 Mac Kellar Bruce E ⊚ 453-3854		20
ing 1511 Tomaszewski Robt J ⊚ 453-5976		20
1517 Szubinski Thos J @ 453-4365		20
1520 Golembiewski Lottie Mrs ⊚ 453-5593 1525 Rudnik Gerald J ⊚ 453-3582		20
1525 Rudnik Gerald J ● 455-3562 1530★Maslowski Mark ● 453-8154		
1533 Simhauser Louis E @ 453-3748		209
1000 Ommune Boule		13.27

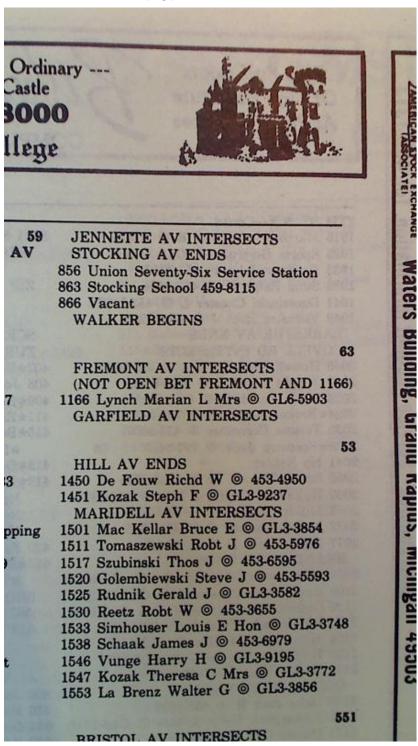
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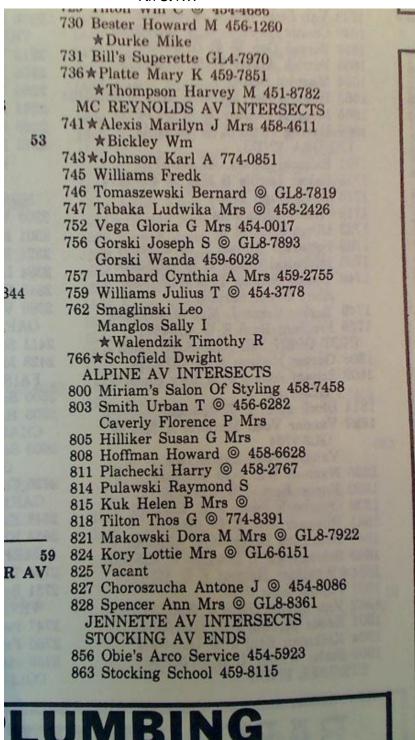
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7th St NW



	7th St NW	
	720 Chicky Stephen J @ 456-8945	1643 \
	723 Nowicki Dorothy J Mrs @ 464-1892	1649 (
	726 Jost Louis R @ 458-5199	1652 1
	729 Tilton Wm C @ 454-4686	1653 1
1000	730 Arnett Nancy Mrs	1654*
2000	Vacant	1663 1
-0145	731 Bill's Superette GL4-7970	1665 1
	736*Holler Jean M Mrs 451-0847	1669 1
6760	Vacant Vacant	LEN
2 2 2 2	MC REYNOLDS AV INTERSECTS	1701 1
13. 10.	741 Vacant	1715 1
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Shaver Rose	1716 1
1025	743 Hewitt Marc	1717
7000	ALTERNATION OF THE PROPERTY OF	1719 (
	745*Koopmans Naida E Mrs 774-7177	1723*
6 199	746 Tomaszewski Bernard @ GL8-7819	1726 F
3 341	747 Tabaka Ludwika Mrs © 458-2426	1736 !
	752 Vacant	1740 1
53	756 Gorski Joseph S @ GL8-7893	1749 7
00	Gedris Gertrude Mrs	1755★
1	757*Yocom Philip C	(NO
	759*Schuelke Steven C	1808 (
BL SS	762 Smaglinski Leo	1809 5
1133	No Return	
180	766 Other Side The pipes papers & clips	1814
293	454-4659	1822
196 199	Versluis David	I
	ALPINE AV INTERSECTS	1825
344	800 Miriam's Salon Of Beauty 458-7458	1830 I
24 11	803 Smith Urban T @ 456-6282	1833*
	Caverly Florence P Mrs 456-1988	1838 (
36 St.	805 Hilliker Susan G Mrs 774-5972	1841 1
63 TH	808 Hoffman Howard L @ 458-6628	1846*
490	811 Plachecki Harry @ 458-2767	1849 5
	814 Cagle Joseph J @ 454-1588	1854
100	815 Vacant	1857 I 1862 \
1000	818 Tilton Thos G @ 774-8391	1901
100	821 Makowski Dora M Mrs @ GL8-7922	1904
100	824*Beduhn Richd ®	1909 1
REP F	825 Vacant	1303 1
EL 288	827 Choroszucha Antone J @ 454-8086	STR
	828 Spencer Ann Mrs @ GL8-8361	1917 5
	835 Vacant	-

Street:YearTPAdjoiningSource7th St NW1975✓Yolk's City Directory



Street: 7th St NW <u>Year</u> 1975 <u>TP</u>

<u>Adjoining</u>

Source
Polk's City Directory

7th St NW



7TH ST NW—Contd 866 Vacant WALKER BEGINS

63

FREMONT AV INTERSECTS
(NOT OPEN BET FREMONT AND 1166)
1166 Lynch Marian L Mrs © GL6-5903
GARFIELD AV INTERSECTS

53

HILL AV ENDS

1450 De Fouw Richd W @ 453-4950

1451 Kozak Steph F @ GL3-9237

MARIDELL AV INTERSECTS

1501 Mac Kellar Bruce E ⊚ GL3-3854

1511 Hentschel Robt K @ GL3-3889

1517 Szubinski Thos J ◎ 453-6595

1525 Rudnik Gerald J @ GL3-3582

1533 Simhouser Louis E Hon ⊚ GL3-3748

1546 Vunge Harry H ⊚ GL3-9195

1547 Kozak Theresa C Mrs ⊚ GL3-3772

1553 La Brenz Walter G ⊚ GL3-3856

551

BRISTOL AV INTERSECTS

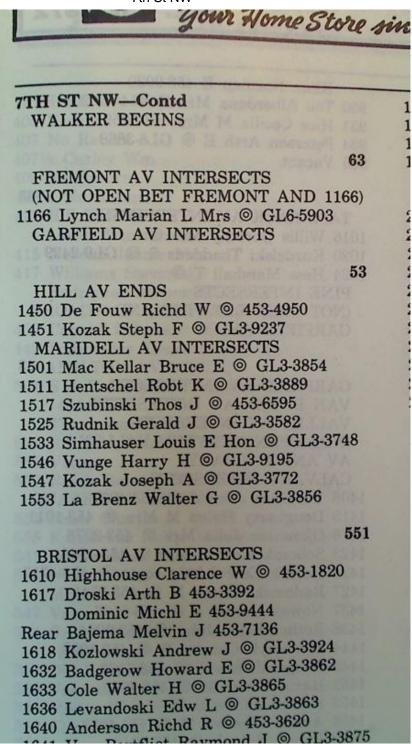
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7th St NW

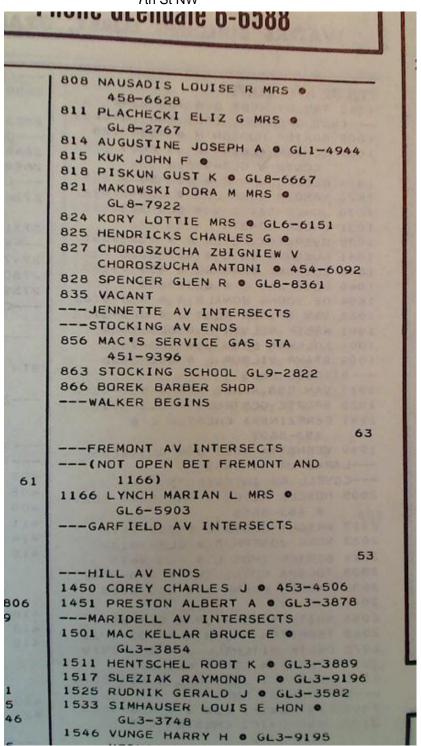
747 Bryska Mary Mrs @ 456-5162 752 No Return 756 Gorski Joseph S @ GL8-7893 Markowski Rita M GL8-6331 757 Lumbard Cynthia A Mrs 759 Williams Julius T @ 454-6964 762 Hanka Rudolph E 454-0694 Smaglinski Leo 766 Church Of The Full Gospel Vacant Schmidt Francis P ALPINE AV INTERSECTS 800 Miriam's Salon Of Styling 458-7458 803 Smith Urban T ⊚ 456-6282 Caverly Florence P Mrs 805 Conners Charles 808 Nausadis Louise R Mrs @ 458-6628 811 Plachecki Eliz G Mrs © GL8-2767 814 Pulawski Raymond S 454-6416 815 Kuk Helen B Mrs @ 818 Piskun Gust K @ GL8-6667 821 Makowski Dora M Mrs @ GL8-7922 824 Kory Lottie Mrs @ GL6-6151 825 Vacant 827 Choroszucha Zbigniew V @ 454-7309 Choroszucha Antoni J @ 454-8086 828 Spencer Glen R @ GL8-8361 JENNETTE AV INTERSECTS STOCKING AV ENDS 856 Smitty's Sinclair Service 451-9513 863 Stocking School 459-8115 866 Vacant

RTSCH CO.

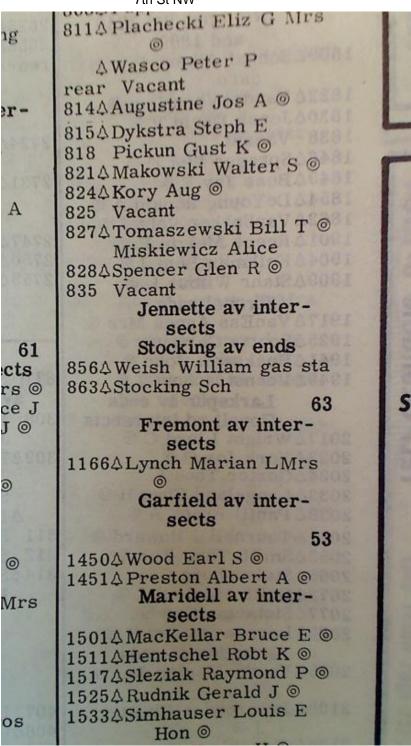
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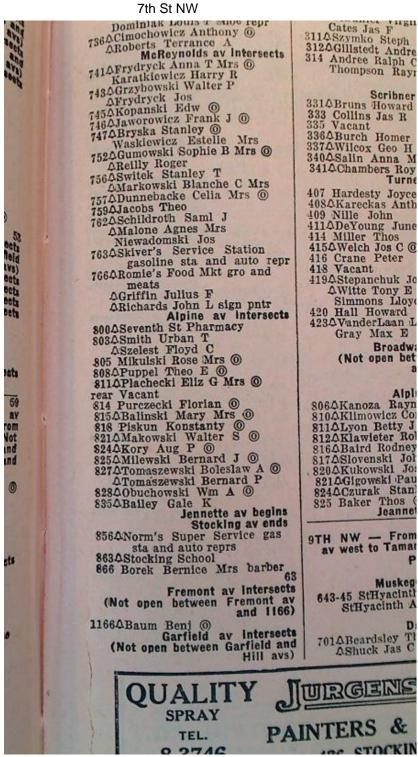
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Street: Year TP Adjoining Source 1951 7th St NW Polk's City Directory

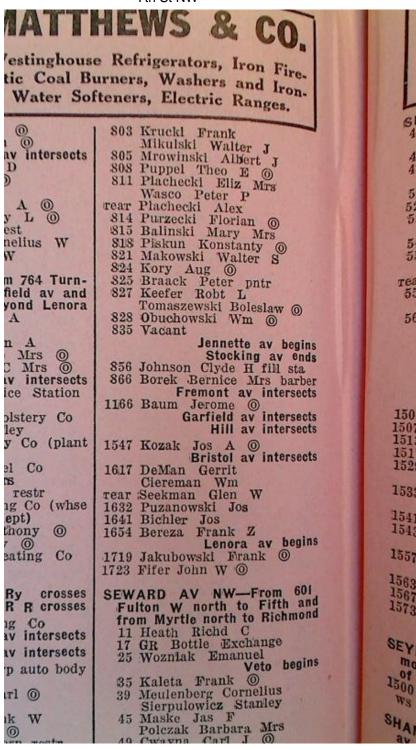


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STEET LED	Green Wm T	211AF
	Scott Henry P	217 R
	765∆Russ & Sam's Service	
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	Griffin Julius	241 M
ntersects	Richards John	C
	Alpine av intersects	243△2
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The State of	803AAndress Cyrus C	245△I
7	805 Mikulski Rose Mrs ©	S
	808 Puppel Theo E @	249 H
	811 APlachecki Eliz G Mrs @	251 R
STERES !	rear Plachecki Alex J	S
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_ 159	815 Balinski Mary Mrs @	1
Turner	818 Piskun Konstanty @	301AF
nd from	821 Makowski Walter S	S
ra (Not	Lemmink Richd	305△2
av and	824 Kory Aug P ①	309 K
ield and	825 Milewski Ben	J
	827 Tomaszewski Bolesław @	J
	828 Obuchowski Wm @	H
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	Aldziak Boniface R pntr	317 F
	Jennette av begins Stocking av ends	DI. P
		319 T
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ntersects	863 A Stocking School 866 Borek Bernice barber	T
ng sta	63	343 N
7 Co	Fremont av Intersects	S
	(Not open between Fremont av	The state of the s
nt No 3	and 1166)	1000
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Irs	Garfield av intersects	4151/2
(whse	(Not open between Garfield and	419 B
		421 V
9	53	423 M
0	Hill av intersects	425 V
Co	1547 AKozak Jos A @	431 B
	Maregen av enus	22222 300
crosses	Phillips av ends	525 V
crosses	Bristol av intersects	527-AII
ntersects	1617 Moore Lawrence E	529 V
auto	rear A Penney Clayton D	F 1500
	1 1029 Todd Stalley (9)	545AF
3 1 1 5 1 2	1 - 4 4 4 A Y - 4 1 4 (TA (Y)) 14 (1)	555 I
THE REAL PROPERTY.	1 40EO O WOITHIND WALLOW AL	rear N
NAME OF STREET	1653 Bereza Frank Z ①	rear iv

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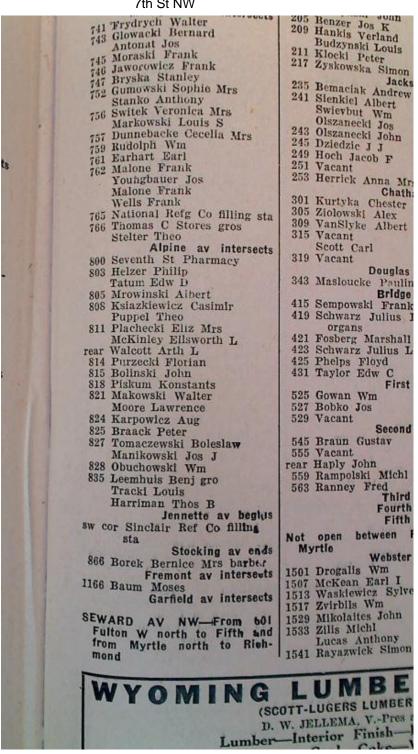
7th St NW	
765 Shultz Herman C filling sta	235 Crysle
766 Kroger Gro & Bkg Co	Allbri
Pakiela Henry 2	241 Madu
Thompson Gard S 2	243 Szata
Alpine av Interest	Zukov
800 A Seventh St Pharmacy	245 Dzied
803 Zukowski Stanley 2	Shema
ASmith Urban T 2	Smith
805 Mikulski Frank F 5 @	249 Hoch
808 Puppel Theo E 3 @	2514Marr
811 Plachecki Eliz G Mrs 4 @	Slover
Wasco Peter P 4	253 Polma
rear Plachecki Alex J 8	
814 Purzecki Florian 3 @	301 Seucz
815 Balinski Mary Mrs 3	AKurty
Mileski Frank J	305AZiolk
919 Diskup Vonstanta 4 @	309 Jarmo
818 Piskun Konstanty 4 @ 821 Makowski Walter S 8	Juchn
Tongo Florid 2	Modze
Langa Floyd 3	315 Davis
824 Kory Aug 2 @	Cimac
825 Braack Peter 2 @	317 Fadou
827 Tomaszewski Boleslaw 5 @	
Tomaszewski Bernard 2	319 Stubb
828 Obuchowski Wm 5 @	
835 Ketchum Clifford L 4	Barses
837 Golembieski Victor V 3	
Jennette av begins	343 Maslo
Stocking av ends	Samue
856 Johnson Clyde H filling sta	The state of the s
8634Stocking School	415 Bosch
866 Borek's Barber Shop	4151/2 Sha
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(Not open between Fremont av	421 Kibber
and 1166)	423 Bailey
1166△Baum Jerome 2 ⊚	Willia
Garfield av intersects	425 Colvin
(Not open between Garfield and	431 Whitm
Hill avs)	SHARE SHIPS IN
Hill av intersects	525 Bills (
1547¢Kozak Jos A 6 ⊚	527 Bobko
Maredell av ends	529 Johnson
Phillips av ends	100000000000000000000000000000000000000
Bristol av intersects	545 Nardir
1617 DeMan Gerrit 4 @ carp	555 Cagle
contr	rear Tullet
rear Russell Frank 3	559 Rempa
1632 Puzanowski Jos 2 @	Rempa
16414Roth Wm F 3	563 Mende
1653 Weining Walter H @	
1654 Bereza Frank Z 2 @	The state of the last
Lenora av ends	100000000
1719 Jakubowski Frank 9 ①	(Not
1723 Fifer John W 2 @	
1101 00111 11 = 0	

<u>Street:</u> <u>Year</u> <u>TP</u> <u>Adjoining</u> <u>Source</u> 7th St NW 1936 - ✓ Polk's City Directory



Alpine av intersects 800 Seventh St Pharmacy 803 Tatum Edw D 805 Mrowinski Albert J 808 Puppel Theo E 811 Plachecki Eliz Mrs rear Plachecki Alex 814 Purzecki Florian 815 Bolinski Mary Mrs Zukowski Stanislaw 818 Piskun Konstants 821 Makowski Walter S 824 Karpowicz Aug 825 Braack Peter pntr 827 Tomaszewski Boleslaw 838 Obuchowski Wm 835 Leemhuis Minnie Mrs gro Markowski Stanley Jennette av begins Stocking av ends sw cor Sinclair Ref Co filling sta 866 Krzykwa Leo pntr Krzykwa Bernice Mrs		7th St NW	
713 Yacant 714 Pulawski Welter 714 Bryska Stanley 752 Gumowski Sophie Mrs Macklewicz Hipolyt 756 Switek Veronica Mrs Markowski Louis 757 Dunnebacke Cecilla Mrs 759 Yacant 762 Malone Frank T 763 National Refg Co filling sta 768 Kroger Gro & Bkg Co The Alpine av intersects 800 Seventh St Pharmacy 803 Tatum Edw D 805 Mrowinski Albert J 808 Puppel Theo E 811 Plachecki Eliz Mrs rear Plachecki Alex 814 Purzecki Florian 815 Bolinski Mary Mrs Zukowski Stanisław 818 Piskun Konstants 821 Makowski Walter S 824 Karpowicz Aug 825 Braack Peter pntr 827 Tomaszewski Bolesław 828 Obuchowski Wm 835 Leemhuls Minnie Mrs gro Markowski Stanley Jennette av begins 806 Krzykwa Leo pntr Krzykwa Bernice Mrs rarber Fremont av intersects 166 Baum Moses Garfeld av intersects 166 Baum Moses Garfeld av intersects 1617 DeMan Gerrit rear Duclos Lowell 1632 Puzanowski Jos 1641 Zimmernar Walter A 1654 Bereza Frank Z Lenora av begins 1719 Jakubowski Frank 1723 Scott Stanley B SEWARD AV NW — From 601 Fulton W north to Fifth and from Myrtle north to Richmond 11 Lakowicz Stanley 35 Kaleta Frank 39 Kasperlik Waclaw 45 Well Robt Wulkoski Stanley 45 Woznlak Augusta Mrs Veto begins 35 Kaleta Frank 39 Kasperlik Waclaw 45 Neil Robt Wulkoski Stanley 45 Wacant 45 Oouma Cornellus 579 Brandfor Mellle Mrs 529 Bradford Mellle Mrs 529 Bradford Mellle Mrs 529 Bradford Melle Mrs 529 Bradford Mellle Mrs 529 Bradford Melle Mrs 529 Bradford Melle Mrs 529 Bradford Melle Mrs 529 Bradford Melle Mrs 520 Andesson Gust 624 Braun Gustav 630 Markowski Walter S 631 Mendels Jennie 640 Mrs Waskiewicz Yeles 640 Parkowski Walter S 641 Parkowski	1996	741 Frydrych Walter T	
746 Jaworowicz Frank 747 Bryska Stanley 752 Gumowski Sophie Mrs Mackiewicz Hipolyt 756 Switek Verolica Mrs Markowski Louis S 757 Dunnebacke Cecilia Mrs 757 Dunnebacke Cecilia Mrs 758 Alalone Frank T 765 National Refg Co filling sta 766 Kroger Gro & Bkg Co The Alpine av intersects 800 Seventh St Pharmacy 803 Tatum Edw D 805 Mrowinski Albert J 808 Puppel Theo E 811 Plachecki Eliz Mrs rear Plachecki Alex 814 Purzecki Fforlan 815 Bolinski Mary Mrs Zukowski Stanislaw 818 Piskun Konstants 821 Makowski Walter S 824 Karpowicz Aug 825 Braack Peter pntr 827 Tomaszewski Boleslaw 828 Obuchoweki Wm 835 Leemhuls Minnie Mrs gro Markowski Stanley Jennette av begins Sw cor Sinclair Ref Co filling 866 Krzykwa Bernice Mrs Farber Fremont av intersects 1668 Baum Moses Garfield av intersects 1667 DeMan Gerit rear Duclos Lowell 1632 Puzanowski Jos 1641 Zimmernar Walter A 1654 Bereza Frank Z Leona av begins 1719 Jakubowski Frank 1723 Scott Stanley 17 Vicant 28 Seward Av NW — From 601 Fulton W north to Fifth and from Myrtle north to Richmond 11 Lakowicz Stanley 17 Vicant 28 Sweetman Cornellus 35 Kaleta Frank 39 Kasperlik Waclaw 45 Nell Robt Wulkoski Stanley 45 Weanan Gerril 252 Braun Gustav 525 Braun Gustav 525 Braun Gustav 525 Braun Gustav 526 Braun Gustav 527 Brunte Gustav 528 Braun Gustav 529 Bradford Nelle Mrs 527 Bobloo Jos 629 Bradford Nellie Mrs 527 Bobloo Jos 629 Bradford Nelle Mrs 627 Bobloo Jos 620 Braudoro Nelle Mrs 625 Braun Gustav 626 Braun Gustav 627 Brunthinel 627 Bobloo Josh 628 Penple Nelle Mrs 626 Mraules John 627 Bobloo Josh 628 Mendels Jennie 629 Bradford Nelle Mrs 626 Mraules John 629 Brauford Nelle Mrs 626 Mraules John 620 Sadauskas Valentine 620 Sadauskas Valentine 620 Sadauskas Valentine 621 Sadauskas Valentine 621 Sadauskas Valentine 622 Buztavals Valentine 623 Sadauskas Valentine 625 Braun Gus	100	743 Vacant	431 Whitmore Lucy A Mrs
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Street: Year TP Adjoining Source 7th St NW 1928 Polk's City Directory



Street:YearTPAdjoiningSource7th St NW1923-✓Polk's City Directory

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48 Huehner-Toledo	425 Mutchler J
Breweries Co	431 Phillips W
49 Civezna Carl	First intersect



APPENDIX F

SANBORN MAPS

Stocking Elementary

863 7th St NW Grand Rapids, MI 49504

Inquiry Number: 3219405.9

December 06, 2011

Certified Sanborn® Map Report



Certified Sanborn® Map Report

12/06/11

Site Name: Client Name:

Stocking Elementary

NTH Consultants Ltd.

863 7th St NW

Grand Rapids, MI 49504

Lansing, MI 48933

EDR Inquiry # 3219405.9 Contact: Steve Crider



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by NTH Consultants Ltd. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Stocking Elementary
Address: 863 7th St NW

City, State, Zip: Grand Rapids, MI 49504

Cross Street:

P.O. # 74-090095

Project: Stocking Elementary **Certification #** 4F70-4D6A-A14D

Maps Provided:

1984 1895

1968

1965

1953

1950 1913



Sanborn® Library search results Certification # 4F70-4D6A-A14D

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

University Publications of America

✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1984 Source Sheets





Volume 4, Sheet 477

Volume 4, Sheet 478

Volume 4, Sheet 490

1968 Source Sheets







Volume 4, Sheet 477

Volume 4, Sheet 478

Volume 4, Sheet 490

1965 Source Sheets







Volume 4, Sheet 490

Volume 4, Sheet 477

Volume 4, Sheet 478

1953 Source Sheets







Volume 4, Sheet 477

Volume 4, Sheet 478

Volume 4, Sheet 490

1950 Source Sheets







Volume 4, Sheet 477

Volume 4, Sheet 478

Volume 4, Sheet 490

1913 Source Sheets







Volume 4, Sheet 477

Volume 4, Sheet 478

Volume 4, Sheet 490

1895 Source Sheets



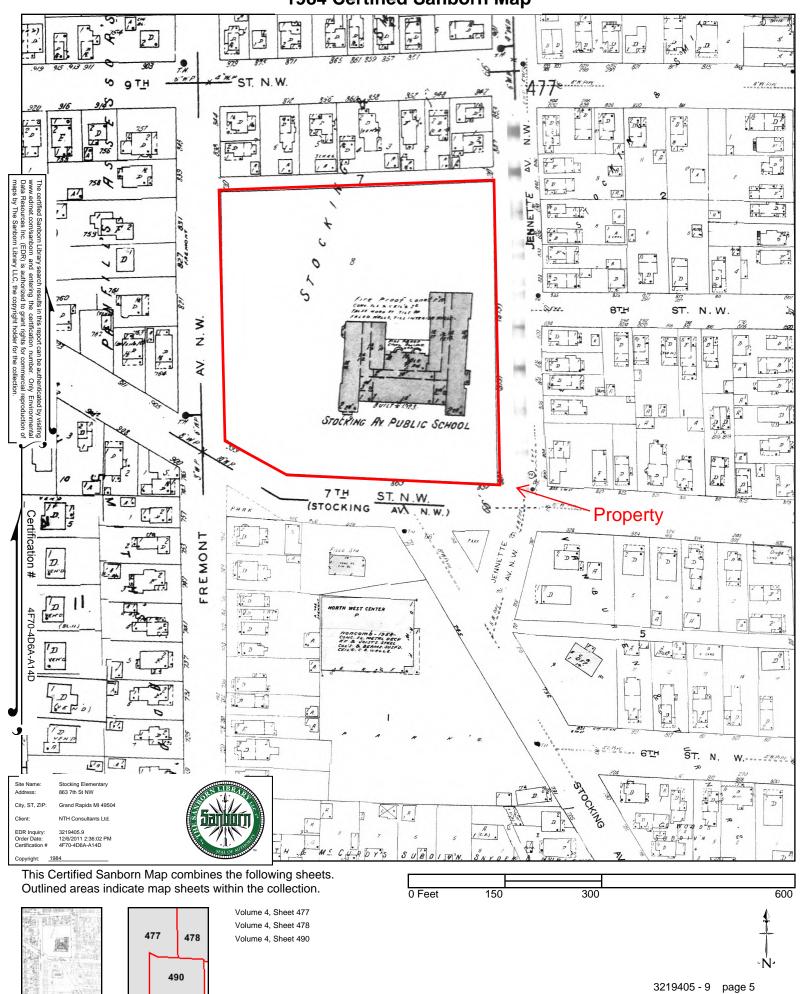


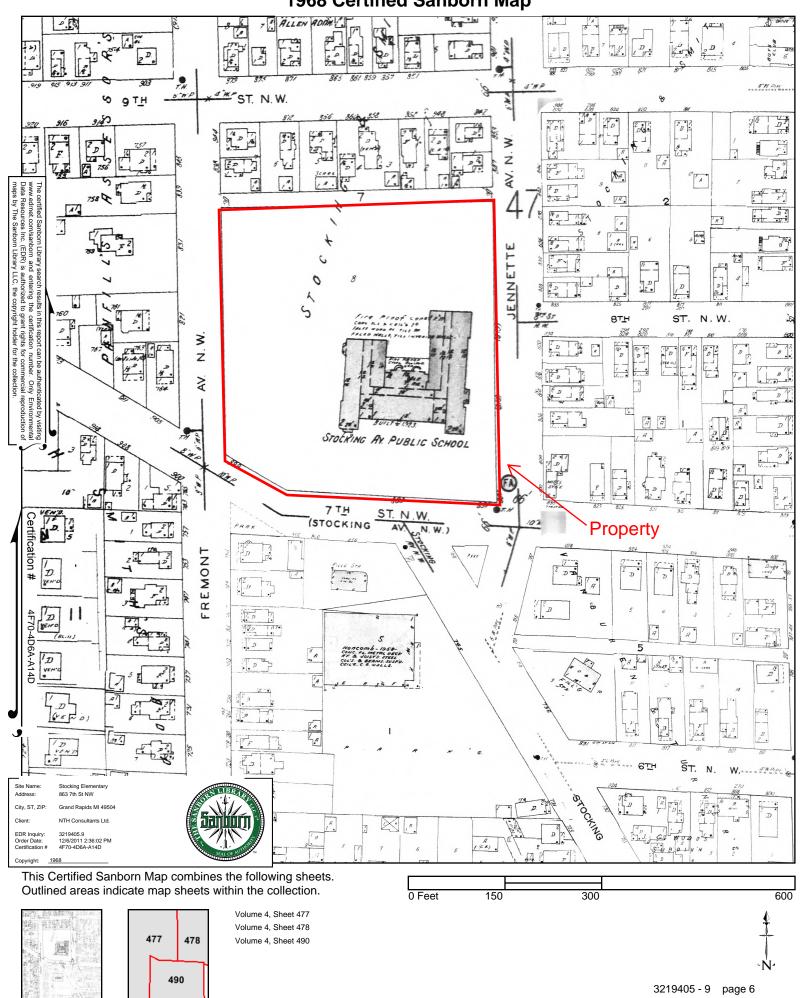


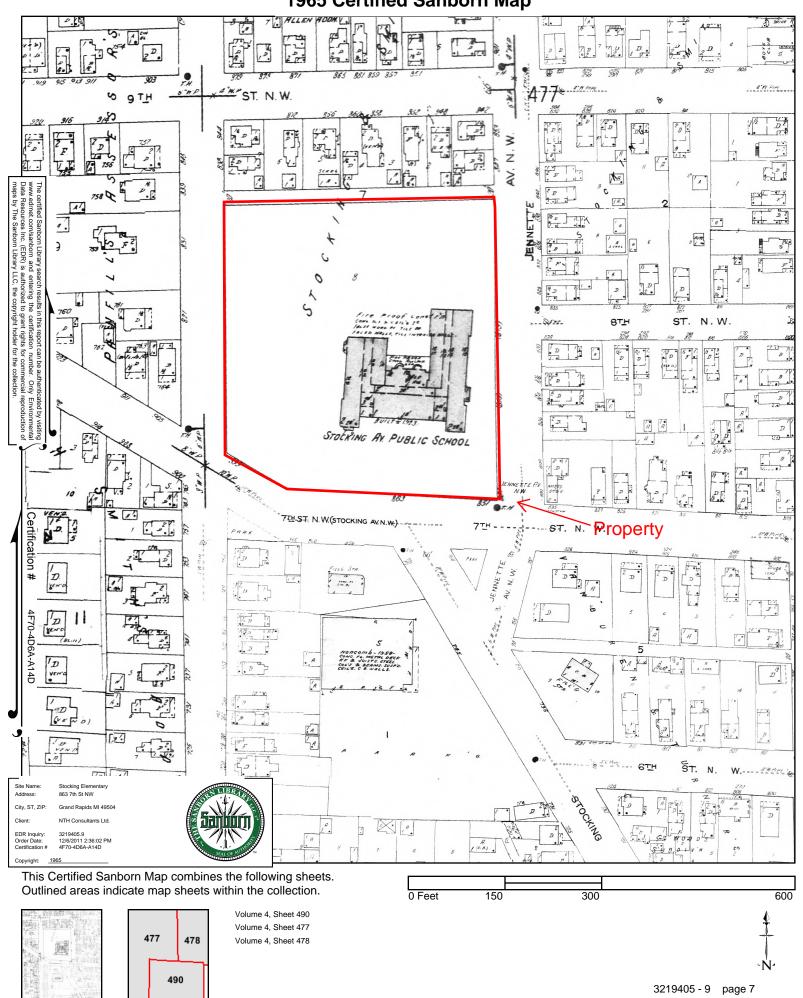
Volume 1, Sheet 87

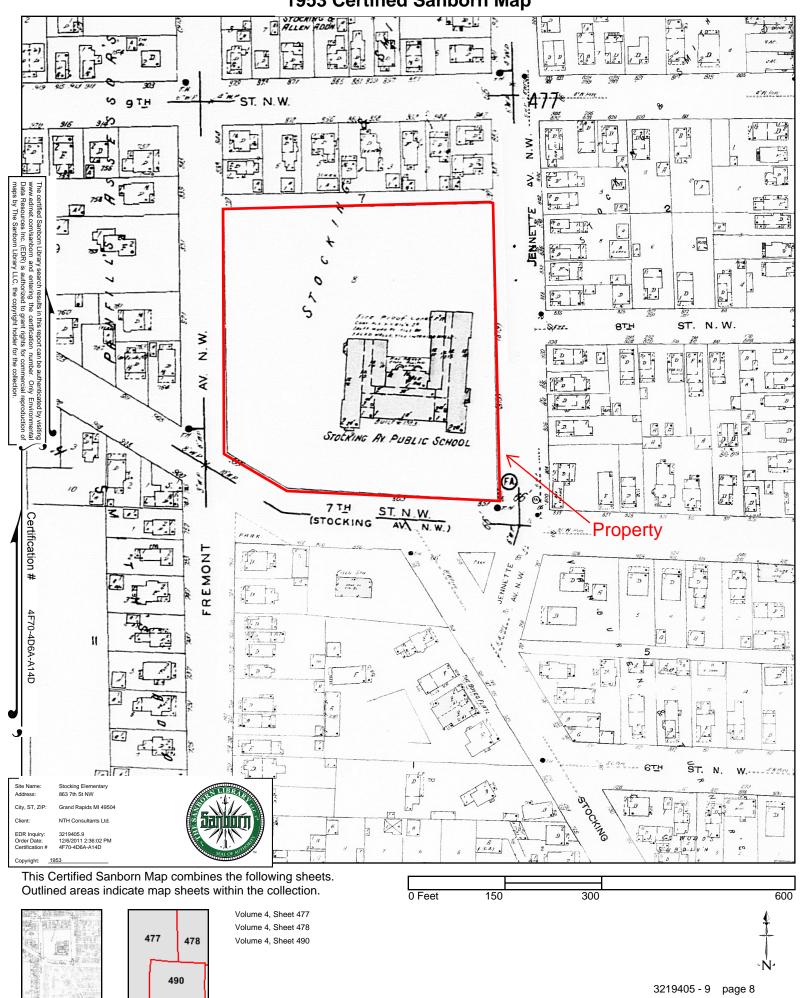
Volume 1, Sheet 88

Volume 1, Sheet 89

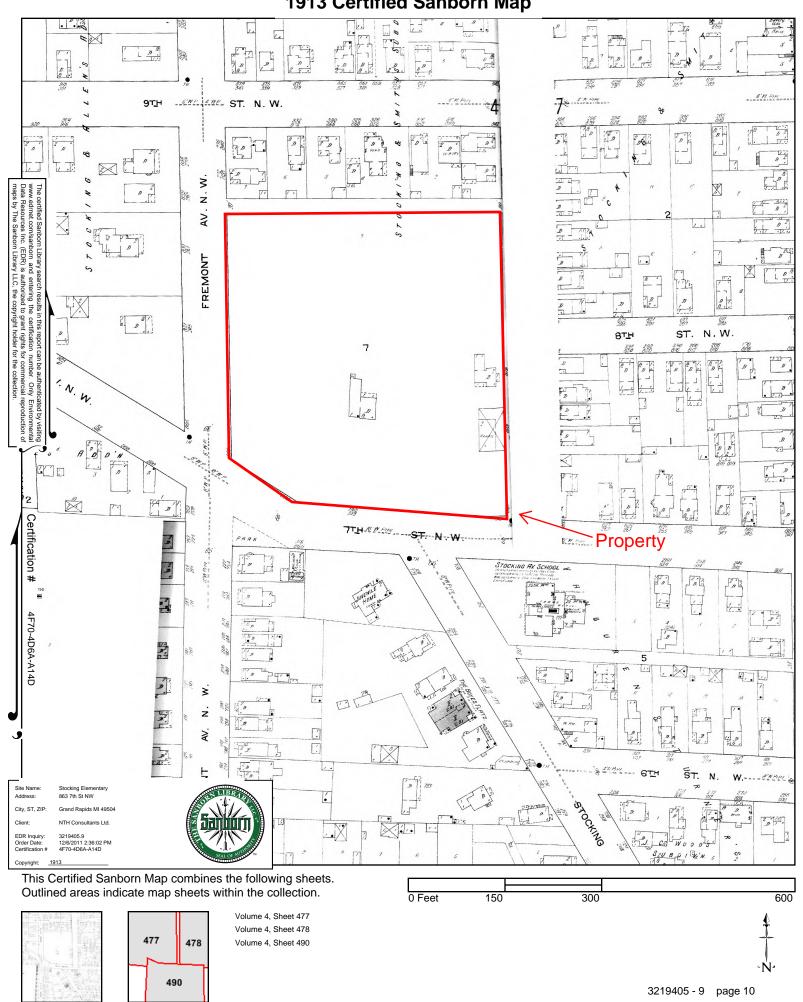


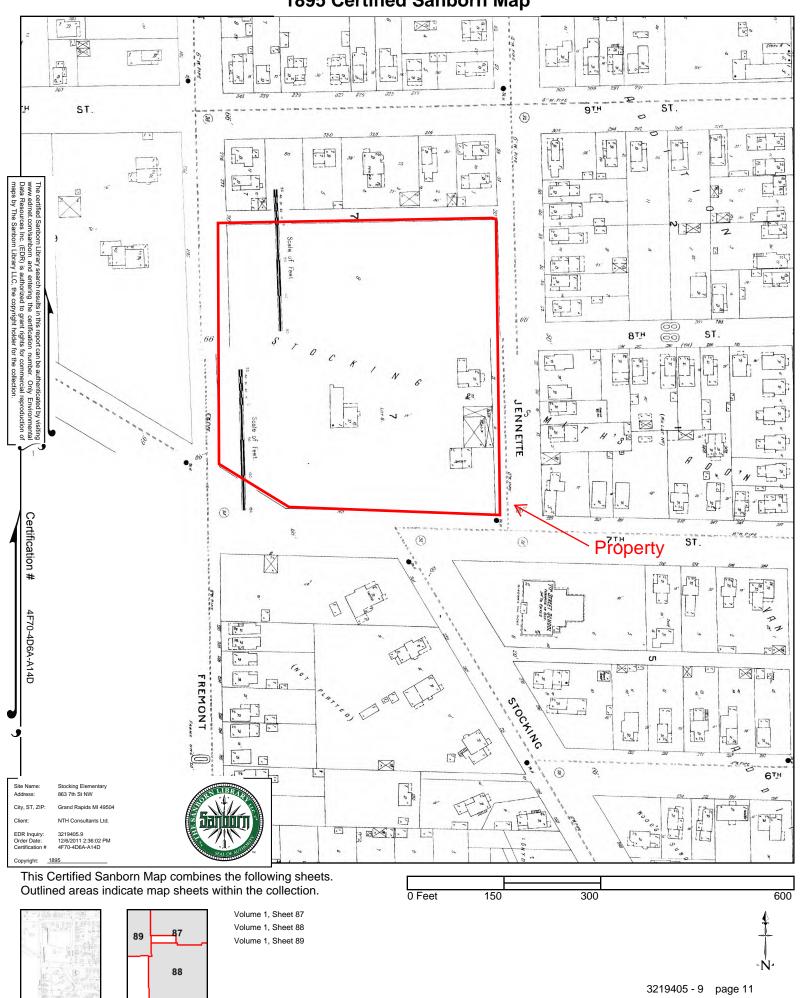














APPENDIX G

AERIAL PHOTOGRAPHS

Stocking Elementary

863 7th St NW Grand Rapids, MI 49504

Inquiry Number: 3219405.11

December 09, 2011

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

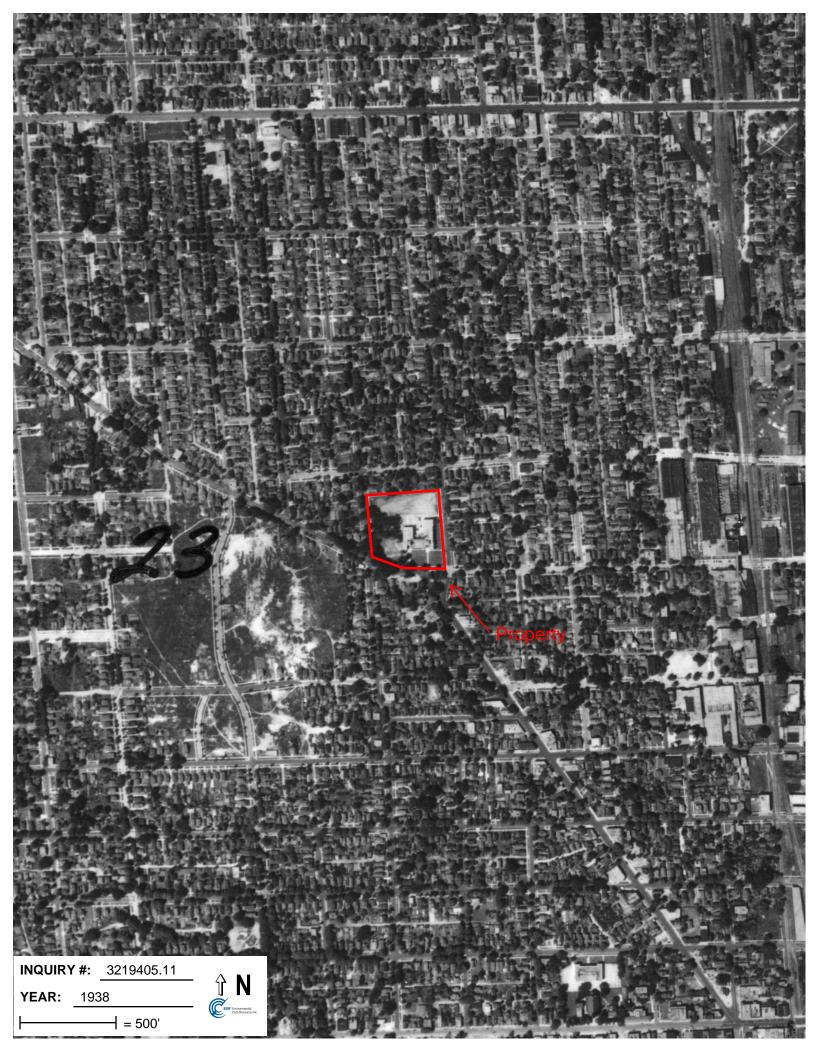
Aerial Photography December 09, 2011

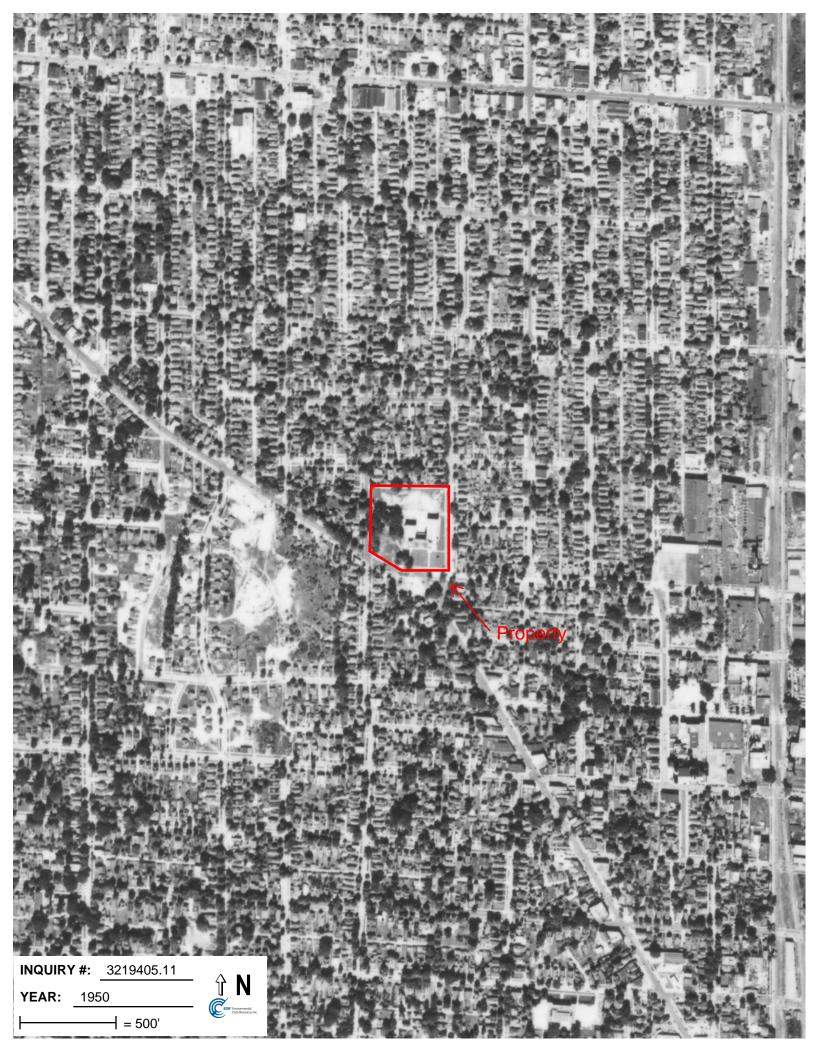
Target Property:

863 7th St NW

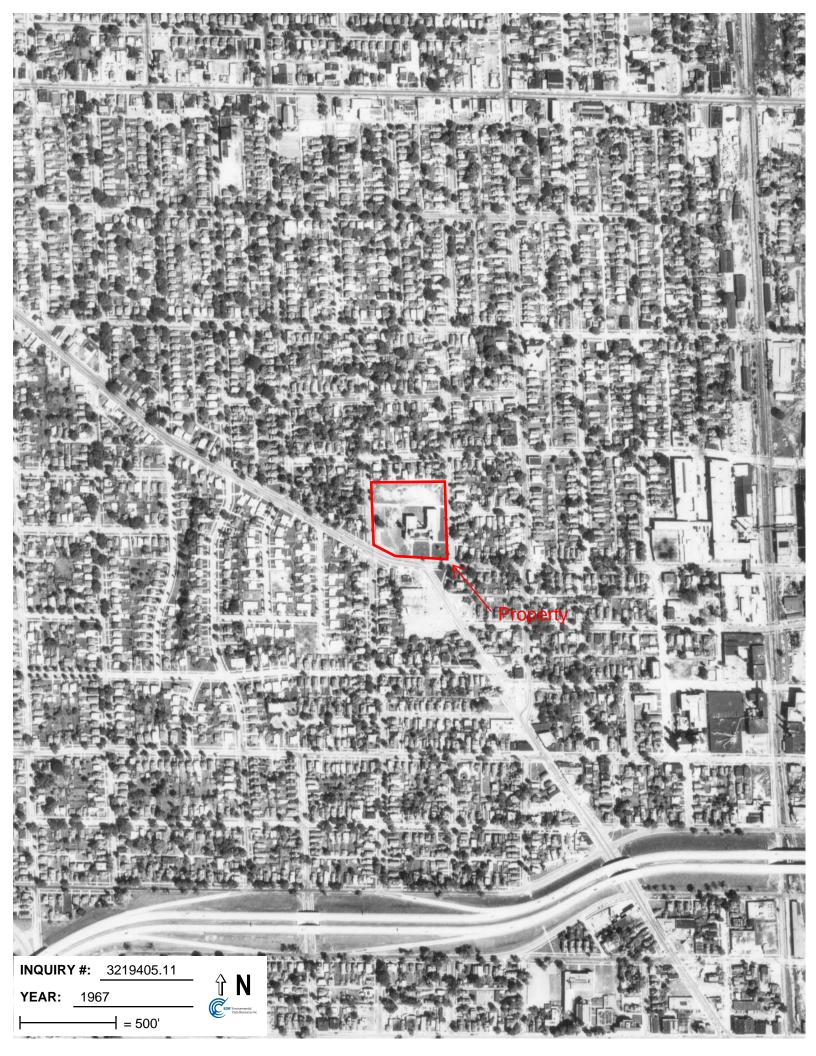
Grand Rapids, MI 49504

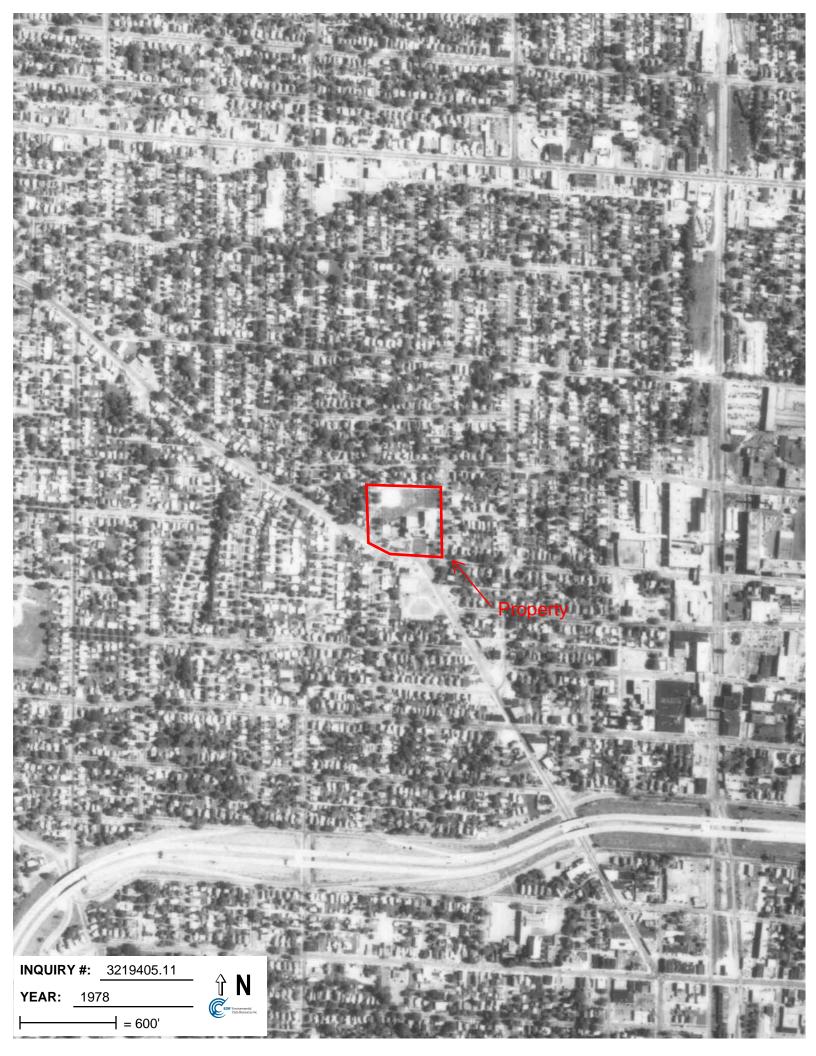
<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	PMA
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960	CSS
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	ASCS
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
1997	Aerial Photograph. Scale: unknown	Flight Year: 1997	FSA
1999	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1999	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR



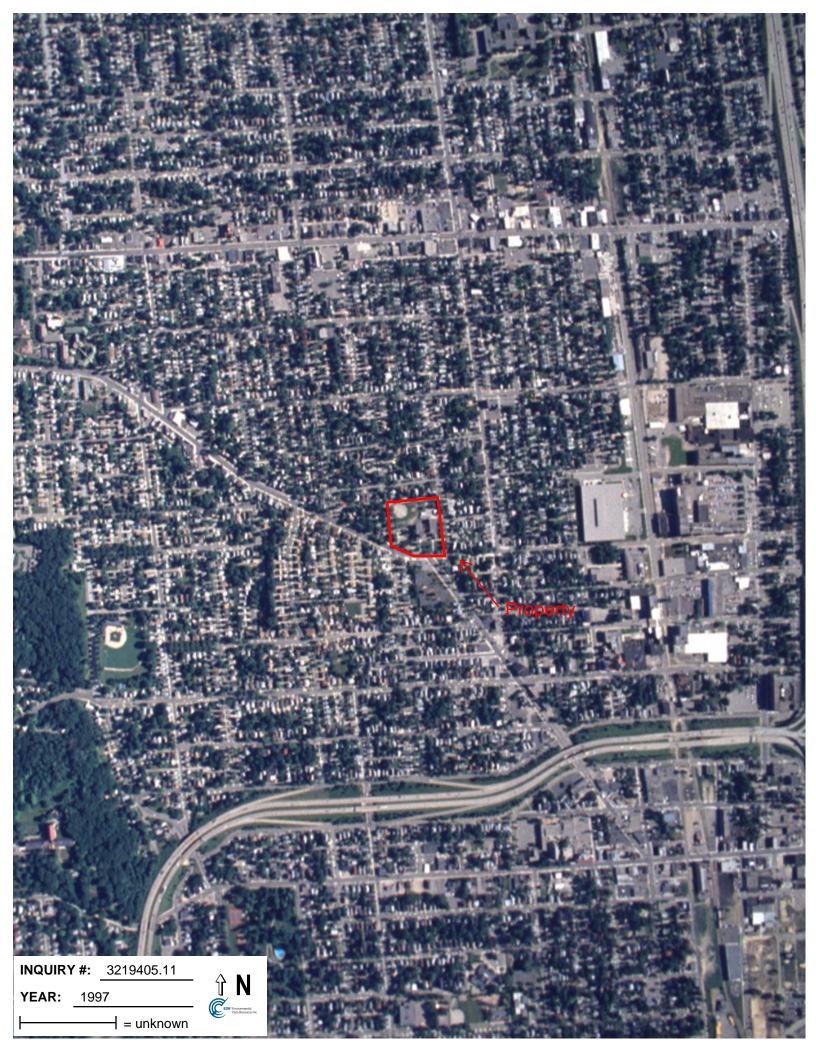




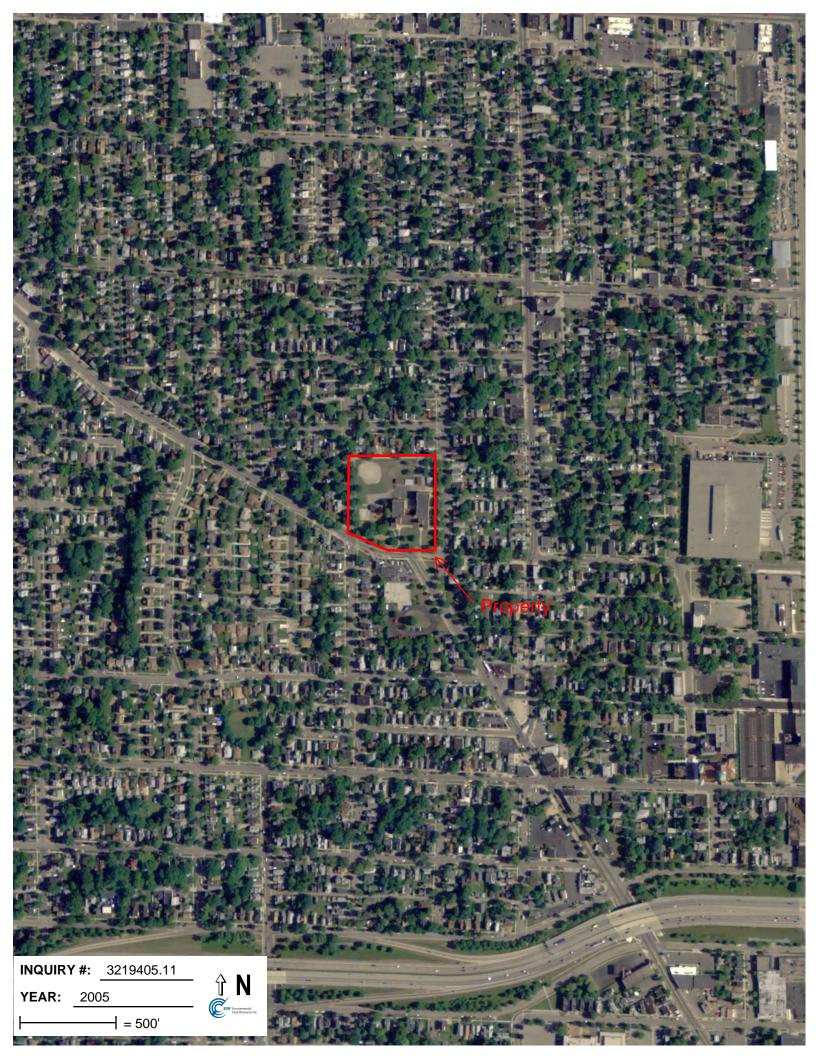
















APPENDIX H

HISTORICAL TOPOGRAPHIC MAPS

Stocking Elementary

863 7th St NW Grand Rapids, MI 49504

Inquiry Number: 3219405.10

December 06, 2011

EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

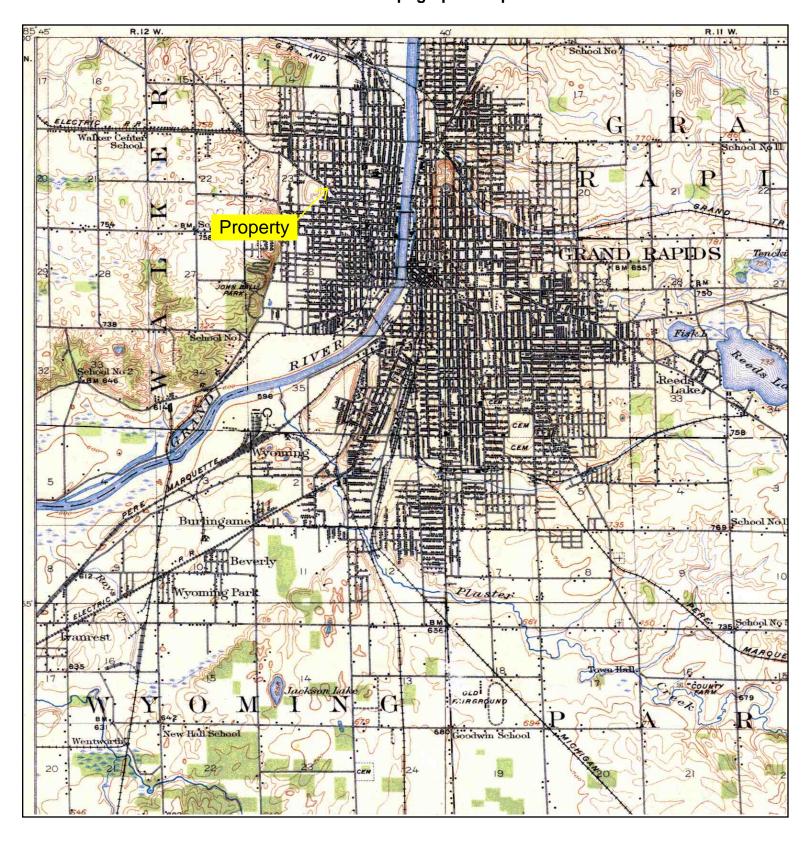
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TARGET QUAD

NAME: GRAND RAPIDS

MAP YEAR: 1914

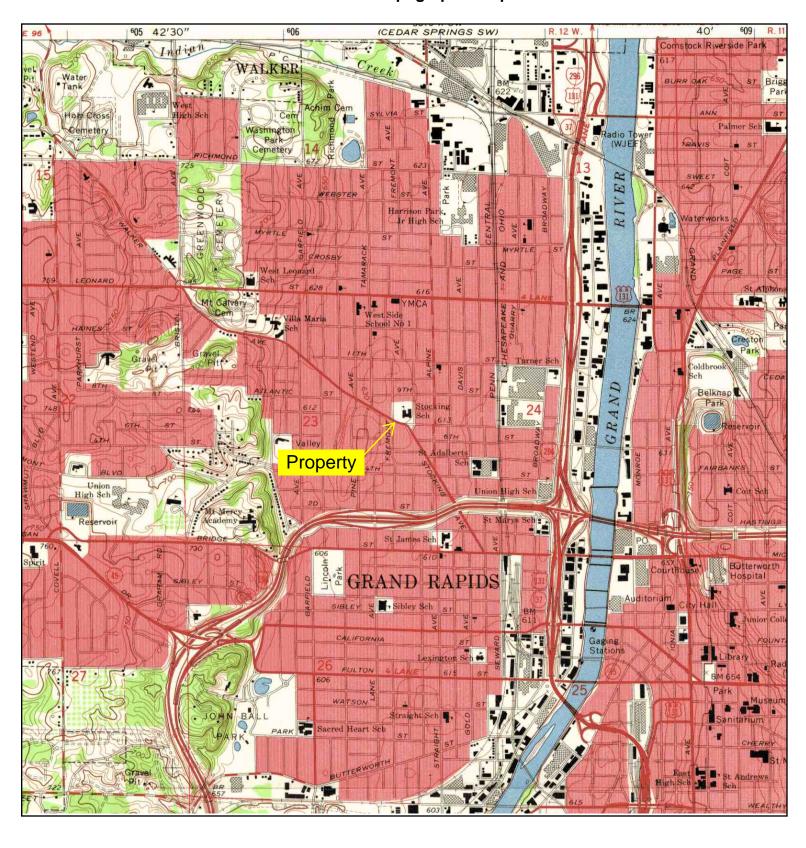
SERIES: 15 SCALE: 1:62500 SITE NAME: Stocking Elementary

ADDRESS: 863 7th St NW

Grand Rapids, MI 49504

LAT/LONG: 42.9784 / -85.6901

CLIENT: NTH Consultants Ltd.





NAME: GRAND RAPIDS WEST

MAP YEAR: 1967

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Stocking Elementary

ADDRESS: 863 7th St NW

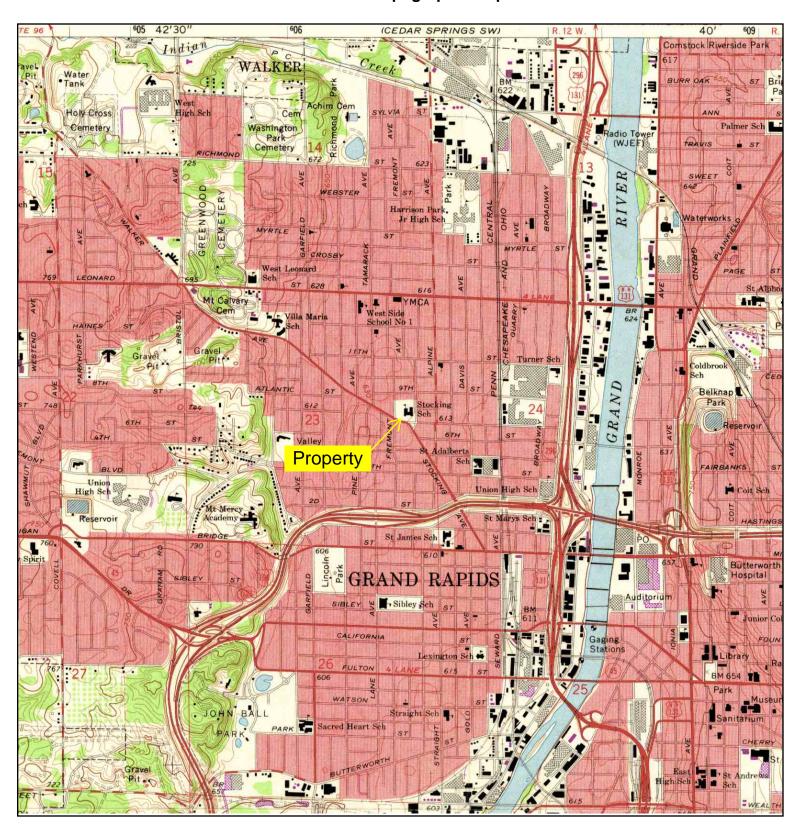
Grand Rapids, MI 49504

LAT/LONG: 42.9784 / -85.6901

CONTACT: Steve Crider
INQUIRY#: 3219405.10
RESEARCH DATE: 12/06/2011

CLIENT:

NTH Consultants Ltd.





NAME: GRAND RAPIDS WEST

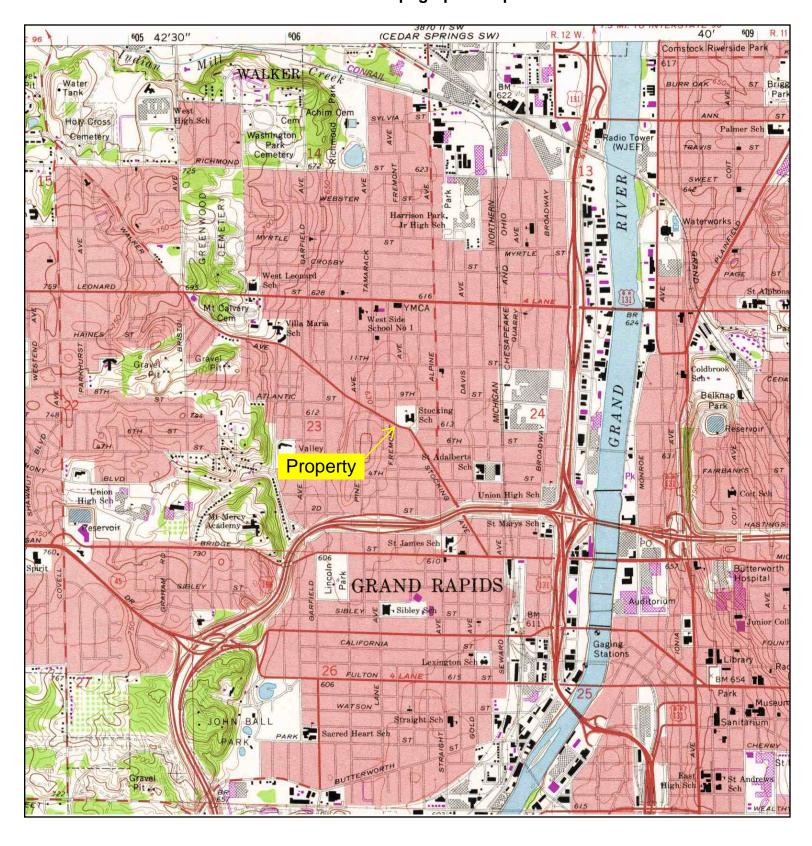
MAP YEAR: 1972 PHOTOREVISED:1967 SERIES: 7.5 SCALE: 1:24000 SITE NAME: Stocking Elementary

ADDRESS: 863 7th St NW

Grand Rapids, MI 49504

LAT/LONG: 42.9784 / -85.6901

CLIENT: NTH Consultants Ltd.



TARGET QUAD

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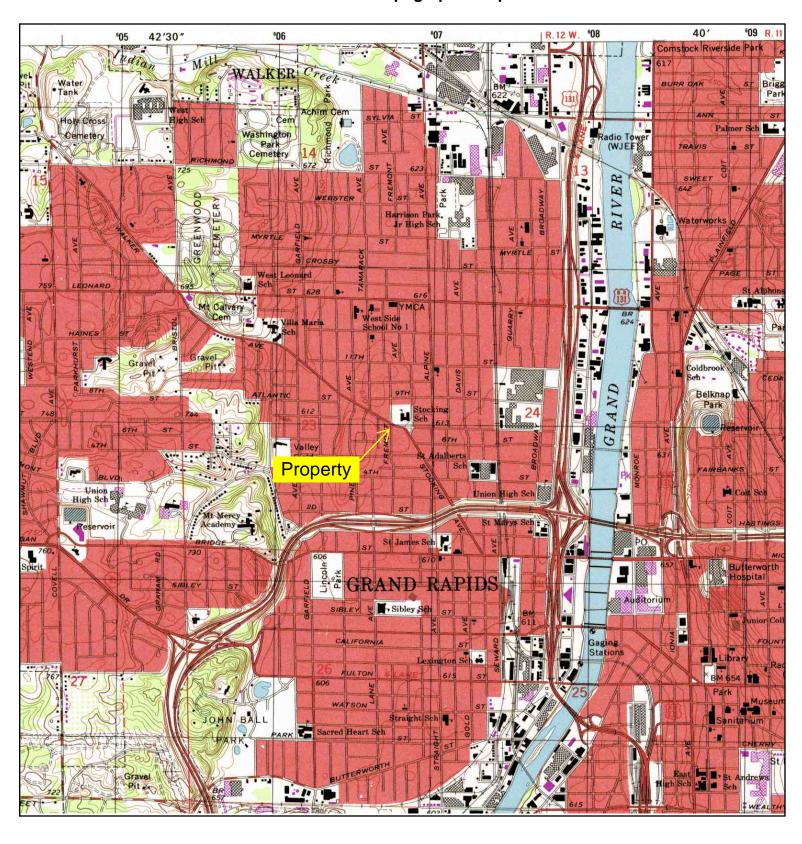
NAME: GRAND RAPIDS WEST

MAP YEAR: 1981 PHOTOREVISED:1967 SERIES: 7.5 SCALE: 1:24000 SITE NAME: Stocking Elementary ADDRESS: 863 7th St NW

Grand Rapids, MI 49504

LAT/LONG: 42.9784 / -85.6901

CLIENT: NTH Consultants Ltd.





NAME: GRAND RAPIDS WEST

MAP YEAR: 1996

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Stocking Elementary

ADDRESS: 863 7th St NW

Grand Rapids, MI 49504

LAT/LONG: 42.9784 / -85.6901

CLIENT: NTH Consultants Ltd.



APPENDIX I

RESUMES OF ENVIRONMENTAL PROFESSIONALS



Brian S. Smits, P.E.

Senior Vice President

Expertise

Mr. Smits has over 20 years of experience in environmental science and engineering, from performing fieldwork, design and construction oversight through managing projects, contracts and clients. His project work includes investigation and characterization of soil and groundwater at contaminated sites, feasibility studies, risk assessments, Brownfield redevelopment, site assessments for proposed real estate acquisitions, underground and aboveground storage tank removal and replacement, interim response measures, design of soil and groundwater remediation programs, and site closure reporting.

Education

Master of Science, Geotechnical Engineering; University of Michigan (1988) Bachelor of Science, Civil Engineering; Calvin College (1987)

Experience

Brownfield Redevelopment and Property Transactions Project Manager - Community and Developer Services

Directed and managed project teams performing Brownfield's redevelopment and property transaction services for numerous municipal and private clients. Services included:

- Assisted communities and developers in grant writing, completing required incentive applications, and Brownfield work plans needed to secure incentives.
- Provided technical assistance to communities establishing tax increment financing authorities such as Downtown Development Authorities, Local Development Finance Authorities, and Brownfield Redevelopment Authorities.
- Presented technical program and incentive overviews at economic development events, Brownfield workshops, and for elected officials and appointed boards.
- Provided environmental engineering services under multiple EPA Brownfield Assessment Grants and Cleanup Grants.
- Prepared Act 381 Brownfield Work Plans.
- Prepared Baseline Environmental Assessments and Section 7a Compliance Analyses (Due Care) Plans.
- Developed corrective action alternatives based on site conditions and proposed land usage.

Project Manager – Site Assessment

Supervised and directed project teams performing environmental investigations and site characterization for public and private clients, as well as regulators including the Michigan Department of Environmental Quality (MDEQ) and U.S. Environmental Protection Agency (EPA). Services included:

- Performed historical data reviews, including Phase I Environmental Site Assessments (ESAs), for insight on potential hazards and sources of contamination prior to site investigation.
- Performed investigation design and planning including project work plans with detailed scope of work to address project objectives.
 Prepared Quality Assurance Project Plans (QAPPs) in accordance with EPA guidelines



Brownfield Redevelopment and Property Transactions (cont'd) Project Manager – Site Assessment (cont'd)

- Conducted environmental investigations including drilling test borings, earthprobes, and installing monitoring wells to determine the nature and extent of subsurface contamination.
- Collected soil, groundwater, surface water, and sediment samples for laboratory testing.
- Collected groundwater and surface water samples for low-level mercury analysis.
- Monitored geophysical surveys to identify potential buried tanks, drums, utility lines, and other subsurface anomalies that may represent a source and/or preferential pathway for contaminant migration.
- Interpreted subsurface hydrogeology with respect to contaminant fate and transport.
- Performed groundwater fate and transport modeling to predict future migration of contaminant plumes.
- Developed Mixing Zone Determination Requests to evaluate whether contaminants were migrating into adjacent surface waters at unacceptable concentrations.
- Performed Risk-Based Corrective Action (RBCA) evaluations to determine cleanup criteria based on site characteristics and land use.

Project Manager – Demolition

Lead project teams in performing pre-demolition surveys, preparing specifications, and providing construction management and monitoring on waste removal and demolition projects. Services included:

- Performed pre-demolition surveys to identify waste materials and environmental concerns in abandoned commercial and industrial buildings in the City of Detroit.
- Assessed and inventoried waste materials and equipment that posed risks during demolition such as those containing asbestos, lead, mercury, and polychlorinated biphenyls (PCBs), as well as abandoned drums/containers and other potential site hazards.
- Developed waste removal and demolition specifications.
- Provided bidding support and trade contractor procurement.
- Provided construction management during waste removal and demolitions.
- Prepared construction reports to document waste removal and demolition activities.

Project Engineer – Marina Redevelopment

Conducted a Remedial Investigation, design, and remediation of a former industrial landfill site into a new riverfront marina complex, including extensive soil boring and groundwater sampling. Developed plans and obtained approval of state officials to allow on-site encapsulation of the contaminated soils in a containment cell, which was designed to incorporate a slurry wall, capping system, dewatering system, and soil retaining wall. Prepared bid documents and specifications for construction of the cell. Performed full-time monitoring of the remediation and marina construction. Sampled additional areas of contamination encountered during the construction, and evaluated and appropriately remediated in a short time frame to allow the construction to proceed on schedule. Following completion of marina construction prepared and submitted a comprehensive report of the remedial activities to state officials for closure approval.



Under/Aboveground Storage Tanks

Project Manager/Project Engineer – UST Removal/Replacement

Directed and managed the investigation, remediation, removal and replacement of leaking underground storage tanks (UST's) at 85 sites under one contract for a large municipality. The results of the project include removal and successful closure of over 100 tanks, design and installation of replacement UST systems at 17 sites, and the design and installation of equipment upgrades at eight sites.

Directed a design-build project for removing, replacing or upgrading UST's at 9 different sites for a major municipality to reduce costs and delays due to impending regulatory fines. Comprehensive audits were conducted to determine the level of compliance and assist the owner in prioritizing actions. New UST systems or upgrade components were designed, including plans and specifications, for state approval. Existing UST's were removed and new UST's or upgrades were installed, with all activities coordinated with state regulators. A total of 4 UST systems were upgraded, 12 UST's were removed and closed, and 2 new UST systems were installed. Following the installations, training was provided to site personnel on the operation of the new systems as well as record-keeping procedures.

Project Manager/Project Engineer – UST Audits/Replacement

Directed compliance audits, upgrades, removal and replacement of underground storage tank (UST) systems for a major metropolitan hospital system under a design-build delivery program. The tanks were part of the hospital's emergency generator systems and all activities were conducted in accordance with the hospital's emergency preparedness plans to maintain power generating capabilities at all times. Conducted testing and audits of existing equipment and records to determine compliance with federal and state regulations. Conducted feasibility studies and submitted recommendations for upgrading tanks not in compliance. Non-compliant tanks were then replaced or upgraded, as necessary under a design-build delivery system. Filed all required reports and registration documents with state officials, to ensure compliance with current regulations. Remediated soil contamination and free product at nine sites where releases had occurred.

Project Manager – Fuel Release Cleanup

Directed and managed the cleanup of soil and groundwater contamination from leaking underground storage tank piping. Monitored removal of the piping and tanks, performed soil investigations and a hydrogeologic investigation to define the extent of contamination and plume movement, designed and implemented a free product recovery and treatment system. The system included total fluids pumping for hydraulic control, phase separation for free product, groundwater treatment with activated carbon, and discharge to a sanitary sewer under permit. Further groundwater modeling and risk assessments demonstrated that remaining contaminant concentrations would not leave the site and were safe for onsite workers. The success of the cleanup was documented via quarterly monitoring, release closure reports were submitted to state regulators, and an Industrial closure was obtained for this site.

Environmental Investigation and Remediation Project Manager – Plating Waste Investigation

Directed and supervised the Remedial Investigation and Feasibility Study (RI/FS) of a riverfront industrial site contaminated by historical plating operations. The site history included landfilling and relocation of an adjacent river, and filling of plating waste



Environmental Investigation and Remediation (cont'd) Project Manger – Plating Waste Investigation (cont'd)

sludge lagoons. The Remedial Investigation was begun by mapping the development of the site through historical records to identify the probable former river alignment, former sludge lagoon locations, and history of building expansions. Soil borings were then performed to define the exact subsurface locations of the buried sludge lagoons and former river alignment, and to characterize the stratigraphy. Groundwater monitoring wells were installed and sampled to investigate the groundwater flow direction and quality in the vicinity of the former and current river locations. Modeling of the groundwater flow regime was then performed to assess contaminant transport of metals and chlorinated compounds from the sludge lagoons to the existing river, and a mixing zone analysis was performed to determine plume concentrations venting to the river. A focused Feasibility Study was then conducted to evaluate methods to mitigate the sludge lagoon as the source of continued groundwater impact and to remediate the contaminated groundwater plume.

Project Engineer/Manager – Riverfront Industrial Site

Directed and supervised a Remedial Investigation/Feasibility Study of a vacant, 45-acre, riverfront industrial site, which formerly housed stove manufacturing, tire manufacturing, and coal gasification operations. Reviewed historical information, prepared work plans for review by state officials, performed geophysical surveys, conducted soil borings and installed monitoring wells for soil and groundwater characterization. Performed a hydrogeologic study to model groundwater flow and the impacts of coal tar residues. Following an evaluation of all soil and groundwater data, performed a risk assessment, summarized appropriate remediation and closure options, and presented findings in a report to the owner and state officials. Performed a feasibility study to evaluate appropriate redevelopment options for the site as well as environmental impacts on future construction activities.

Project Manager – As-Needed Services Contract

Directed and supervised various emergency response and environmental cleanup activities on an as-needed service contract with a large municipality. Provided immediate response to any and all environmental emergencies directed by the owner. Performed initial responder functions, investigated the nature of the emergency, assessed the response teams and equipment needed, mobilized the necessary resources to perform the response, directed and documented the cleanup activities, and prepared summary and closure reports, as required by the owner as well as state and federal agencies.

Project Manager – Wastewater Facility Siting

Directed site assessment and waste characterization services for a large Combined Sewage Overflow (CSO) construction project. Performed site investigation activities of several parcels under consideration to assist the design team in selecting the most feasible site. Defined the extent and severity of contamination through soil and groundwater sampling, presented remediation or disposal options to the owner, and developed cost estimates for the environmental impacts on construction. Prepared portions of the construction project specifications relating to worker health and safety and handling and disposal of contaminated materials. Also performed hydrographic surveys and sediment sampling of CSO deposited wastes in an adjacent creek to develop volume estimates, performed feasibility studies for removal and disposal of the wastes, and prepared plans and specifications for dredging and disposal.



Environmental Investigation and Remediation (cont'd) Project Manager/Engineer – Abandoned Drum Site

Directed the assessment and cleanup of abandoned drums at a former Superfund site encountered during construction of a new municipal building. Sampled and characterized the contents of exposed drums, prepared the drums for shipment and disposal of hazardous wastes. Researched the site history, performed soil and groundwater sampling in the vicinity of the drums to determine the extent of subsurface contamination, conducted geophysical surveys (magnetometer) to determine the likelihood of additional buried drums, and performed a risk assessment to evaluate potential impacts on construction workers and future occupants of the site.

Environmental Compliance Audits

Project Manager - Water Facilities Compliance Audit

Directed a team of auditors to perform compliance inspections at four water treatment plants and eleven pumping stations. Developed Spill Prevention, Control, and Countermeasures (SPCC) plans for each of the facilities and implemented them within a very short time frame to avoid regulatory violations. Also performed a "waste sweep" at each of the facilities to remove and dispose improperly stored wastes, and developed appropriate waste storage procedures to comply with the SPCC goals.

Project Manager/Engineer - Compliance Audit

Performed a compliance audit at a municipal service yard with warehouses, automotive shops, mechanical shops, and fuel storage. Conducted inspections of the entire facility to identify regulatory deficiencies in practices and equipment and performed drum sampling and characterization of unidentified wastes. Developed Spill Prevention, Control, and Countermeasures (SPCC) plan and Pollution Incident Prevention (PIP) plan for appropriately storing and handling the hazardous and non-hazardous materials in use as well as wastes. Also developed a Chemical Storage and Disposal handbook for use in employee training and orientation, and conducted initial training sessions to implement the new plans.

Project Manager - Risk Management Plans

Directed and managed the development of Risk Management Plans (RMP's) at five municipal water treatment plants. The RMP's were required by the EPA due to large quantities of hazardous chlorine gas in use at the facilities. Modeling ("consequence analysis") was performed to predict the migration of chlorine gas away from the facility in the event of a catastrophic failure of chlorine equipment. A Process Safety Management (PSM) analysis was also conducted to determine the adequacy of equipment and procedures in handling chlorine and the preparedness of the plants in dealing with chlorine emergencies. After completion of the RMP's, public information sessions were conducted to alert nearby residents of the results of the consequence analysis, as required by the EPA regulations

Professional Licenses

Licensed Professional Engineer – State of Michigan

Certifications

Certified Underground Storage Tank Professional – State of Michigan 40 hour Hazardous Waste Operations Training; 8-hour yearly refresher courses, MIOSHA



Sherry L Kirkbride

Environmental Scientist

Expertise

Ms. Kirkbride has ten years of experience in environmental assessment and remediation. Projects have included site assessments, hydrogeological investigations, underground storage tank (UST) removal and closure, risk-based contaminant exposure, remediation studies and project oversight.

Education

Bachelor of Science in Environmental Studies and Applications; Michigan State University (1999)

Experience

Property Transactions

- Provided property transaction services for numerous clients.
- Prepared Baseline Environmental Assessments.

Environmental Assessments and Investigations

- Performed environmental investigations and site characterization for public and private clients.
- Performed historical data reviews, including Phase I Environmental Site Assessments (ESAs) for insight on potential hazards and sources of contamination prior to site investigation.
- Performed investigation design and planning including project work plans with detailed scope of work to address project objectives.
- Conducted environmental investigations including drilling test borings, earthprobes, and installing monitoring wells to determine the nature and extent of contamination.
- Collected soil, groundwater, surface water, and sediment samples for testing.
- Interpreted subsurface hydrogeology with respect to contaminant fate and transport.
- Performed groundwater fate and transport modeling to predict future migration of contaminant plumes.
- Performed Risk-Based Corrective Action (RBCA) evaluations to determine cleanup criteria based on site characteristics and land use.

Remediation Studies and Site Cleanup

- Performed feasibility studies to evaluate remediation alternatives based on site conditions and current or proposed land usage, and assisted with design and implementation of remediation programs.
- Assisted with remediation efforts at numerous, leaking underground storage tank sites, including sites where non-aqueous phase liquids (NAPLs) were present.
- Assisted with feasibility analysis, design, and oversight of remediation programs that involved soil excavation and disposal, application of oxygen releasing compounds to enhance natural biodegradation and vacuum-enhanced fluid recovery.



Sherry L Kirkbride

Underground Storage Tanks

- Provided UST removal and closure services at over 30 sites for private clients.
- Prepared Initial Assessment, Final Assessment, and Closure Reports in accordance with applicable regulatory requirements.
- Monitored UST removal and remediation activities.
- Designed, coordinated, and performed subsurface investigations to characterize the extent of petroleum contamination from leaking USTs.
- Assisted with evaluation of corrective action plans, including free product abatement.

Certifications and Training

40-hour HAZWOPER Training and Annual 8-hour Refreshers



APPENDIX J

USER PROVIDED INFORMATION

ABATEMENT PROJECT SUMMARY REPORT

Project Information: Date: 54 6, 1998
School Building: Stocking Flem.
Address: 863)th St nw
GR MI 49504
Phone Number: 616-771-3130
Brief Description of Work: Remod of aboutous maturals
from pipes a ductionsk in school attic
Start Date: A-14.1995 Completion Date: Set 11.1995
Contractor Information:
Name: National Environmental Sych
Address: 300 Heaklin
Brighton mI 48116
Phone Number: \$10-327-2011
Hygienist Information:
Name: 62A Geo Environmental
Address: 2930 3 mil Pano
GR ONE 49504
Phone Number: 616-291-)400

Further information regarding this abatement project is on file at the Facilities Management Office. This information includes: job specification, job notification record, contractor employee training certificates and respiratory protection records, air sample and clearance data, waste disposal records, and job daily log information.

Contact Bob Langerak, Asbestos Program Manager, at 771-3010, for further information regarding this abatement project.

ABATEMENT PROJECT SUMMARY REPORT

Project Information:	Date: June 6, 1995
school Building: Studeing	Elem.
Address: 863 Seventh	Stra
6 R	49504
Phone Number: 6(6-771-3	<u>130</u>
Brief Description of Work:	Removal of pope 2 pope
	S. Vices
Start Date: 7/17/95	Completion Date: 8/11/95
Contractor Information:	
Name: Hazarbestos Inc	
Address: 3170 Apollo D	rue
Lansing, MI	
Phone Number: 517-886-3	
Hygienist Information:	
Name: 62A Geo Environ	unertal.
Address: 2930 3 mile	Pd nio
COR MI	49504
Phone Number: 616-791-7408	
et	

Further information regarding this abatement project is on file at the Facilities Management Office. This information includes: job specification, job notification record, contractor employee training certificates and respiratory protection records, air sample and clearance data, waste disposal records, and job daily log information.

Contact Bob Langerak, Asbestos Program Manager, at 771-3010, for further information regarding this abatement project.

ASBESTOS ACTIVITY RECORDREEPING SHEET

SCHOOL NAME STOCK	v C-
•	ATTIC FAN ROOM
TYPE OF ACTIVITY: (Check Al	
ACM_Inspection	w .
Repair/Encapsulate	Abatement Pre-Inspecti
	Abatement Inspection
Remove	Abatement Final Inspec
Update Management Plans	Abatement Pre-Clear
Background Air Samples	Abatement Final Clear
COYER & NEW SEPERATIONS IN	SCAME + CACHOSCHATE DAMAGED MEM PIPE
Name(s) of Person(s) involved:	Date(s) & total hours of involvement per date
BRUCE JOHNSON	SEPT 28 1994 2 Hours
Ronlander Zno	
:	
-	
Materials used:	
- LAC KWICK & LACKETE	·
Description of Disposal:	•
-	
,	
igned for July	Date 9/28/14
L/kmh 8/22/89	

ASBESTOS ACTIVITY RECORDREEPING SHEET

SCHOOL NAME STOCK	ING
AREA, FLOOR, ROOM NUMBER G	LYM FAN Poom 2 ND FLOOR
TYPE OF ACTIVITY: (Check All	l That Apply)
ACM Inspection	Abatement Pre-Inspection
Repair/Encapsulate	Abatement Inspection
Remove	Abatement Final Inspect
Update Management Plans	Abatement Pre-Clear
Background Air Samples	Abatement Final Clear
•	EMOVE 5' OF ACM PIPE COULT
Name(s) of Person(s) involved:	Date(s) & total hours of involvement per date
ROW CHAMER ZAWD	1/29/92 2 Hours
- RRUCE TOHNSON	
Materials used:	
- 1 GLOVE BAG, 2 DISPOSAL BA	OGS, DUCT TAPE, WETTING AGENT, HEARLY
Description of Disposal: (A)	D STORACE BINS.
Signed Fon Carder Tand	Date //29/93
BL/kmh 8/22/89	

ASBESTOS ACTIVITY RECORDREEPING SHEET Slocking SCHOOL NAME AREA, FLOOR, ROOM NUMBER (Check All That Apply) TYPE OF ACTIVITY: Abatement Pre-Inspection ACM Inspection Abatement Inspection Repair/Encapsulate Abatement Final Inspect Remove Abatement Pre-Clear Update Management Plans Abatement Final Clear Background Air Samples DESCRIPTION OF ACTIVITY: KEMOVE 3' SECTION OF ACM PIPE COVER FROM STEAM LINE + REPAIR STEAM LEAK. WET DEBRIS FROM TURNEL FLOOR Date(s) & total hours Name(s) of Person(s) involved: of involvement per date Materials used: REPAIR CLAMF SAA STORAGE Description of Disposal: ____ BL/kmh

ASBESTOS ACTIVITY RECORDREEPING SHEET SCHOOL NAME AREA, FLOOR, ROOM NUMBER FAN FROOM & ATTIC TYPE OF ACTIVITY: (Check All That Apply) Abatement Pre-Inspection ACM Inspection Abatement Inspection Repair/Encapsulate Abatement Final Inspect Remove ____ Abatement Pre-Clear Update Management Plans Abatement Final Clear Background Air Samples DESCRIPTION OF ACTIVITY: REPAIR & ENCAPSIANCE DAMAGED ARE & OPEN ENDS ON ACM PAPE COVER IN FAN ROOM. ROPAIR NEW IN PIPE INSULATION IN ATTIC AREA. Date(s) & total hours Name(s) of of involvement per Person(s) involved: Materials used: Description of Disposal: BL/kmh 8/22/89

ASBESTOS ACTIVITY RECORDREEPING SHEET

SCHOOL NAME	
AREA, FLOOR, ROOM NUMBER	ATTIC
TYPE OF ACTIVITY: (Check All	That Apply)
ACM Inspection	Abatement Pre-Inspection
Repair/Encapsulate	Abatement Inspection
Remove	Abatement Final Inspect
Update Management Plans	Abatement Pre-Clear
Background Air Samples	Abatement Final Clear
20	
211	91R 2 ENCAPSOLATE ACM PIACE COMER
• •	UCT WORK & CUT OUT SECTION OF DUC
ON EOW ENDS OF BULDING	PICK UP LOOSE DEBRI.
Name(s) of Person(s) involved:	Date(s) & total hours of involvement per date/20/90 8 Hours
RON VALOUR ZALO	4/23/90 8 HOURS
BRUCE JOHNSON	4/24/90 8 HOURS
	4/25/96
Materials used:	
	a to - 2 and a suppose a strat plant
DUT TOOK JOHN TO ASE	BUSTOS BAGS GMILL PLASTIC WUTTING NGWNT
DUCT TAPE, ZAWZ-ALL - HEPA V Description of Disposal:	SAA STORAGE BINS
<u>-</u>	
•	
Signed Fortale Las	Date 4/24/90
BI./kmh 8/22/89	>

ASBESTOS ACTIVITY RECORDKEEPING SHEET

SCHOOL NAME STO	CICKING
AREA, FLOOR, ROOM NUMBER	ATTIC
TYPE OF ACTIVITY: (Check All	l That Apply)
ACM Inspection	Abatement Pre-Inspection
Repair/Encapsulate	Abatement Inspection
Remove	Abatement Final Inspect
Update Management Plans	Abatement Pre-Clear
Background Air Samples	Abatement Final Clear
DESCRIPTION OF ACTIVITY:	REMOVE 6' OF DEM
PIPE COUER FROM	STEAM LINE. REPAIR 2 ENCAPSUL
@~n5	, , , , , , , , , , , , , , , , , , , ,
Name(s) of Person(s) involved:	Date(s) & total hours of involvement per date
BRUCE JOHNSON	1/31/90
ROW UNNOUR ZAND	4 HOURS
Materials used:	
4 ASPUSTOS RAGS HUPI	A VAC, LAG KWICK, LAG KOTE
, , , , , , , , , , , , , , , , , , , ,	
Description of Disposal:	SAA STORAGE BIN
A	
Signed Fon Clark Tall	
BL/kmh 8/22/89	

ASBESTOS ACTIVITY RECORDREEPING SHEET

SCHOOL NAME STOCK	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
AREA, FLOOR, ROOM NUMBER	ATTIC
TYPE OF ACTIVITY: (Check All	That Apply)
ACM Inspection	Abatement Pre-Inspect
Repair/Encapsulate	Abatement Inspection
Remove	Abatement Final Inspe
Update Management Plans	Abatement Pre-Clear
Background Air Samples	Abatement Final Clear
DESCRIPTION OF ACTIVITY:	CLEAN UP ALL ACM DEBRI
ON MITIC FLOOR	
Name(s) of Person(s) involved:	Date(s) & total hours of involvement per date 12/18/89 + 12/19/89
PON UNNOUS ZAND	10 Heurs
Materials used: 6 ASBESTES BAGS Description of Disposal:	SAA STORAGE BINS
Signed <u>Fon Vande- Zul</u> BL/kmh 8/22/89	Date /2/19/89

BULK SAMPLES SUMMARY SHEET

SCHOOL

Stocking Elem

863 Seventh NW

202	30 22	2/	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12		10	9	8	7	6	5	4	3	2	_	# :
											GRSE 18	GRSE 17	GRSE 16	GRSE 15	GRSE 14	GRSE 13	GRSE 12	GRSE 11	GRSE 10	GRSE 09	GRSE 08	GRSE 07	GRSE 06	GRSE 05	GRSE 04	GRSE 03	GRSE 02	GRSE 01	SAMPLE#
											Smoke duct	Firewall	Elbow	Floor Tile	Pipe wrap	Drywall	Ceiling Tile	Ceiling Tile	Ceiling Tile	Hard Plaster	Hard Plaster	Hard Plaster	Hard Plaster	Drywall	Air duct	Elbow	supply line	Air duct	MATERIAL SAMPLED
											on top of boiler	at back of boiler	rm # tunnel access	kit storage mastic	rm 5 tunnel access	boys 2nd fl rr	SW stairs	#11	rm 14 in entry	2nd fl, righgt mid of new fire	attic air passage	NW corner S air passage	E/W air passage, attic	upper air tower	NE attic hall end	NE side of attic	Attic NW sec	Attic NW sec	LOCATION
											8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	8/8/88	DATE
																													SAMPLER(S)
											TrustTherm/IEC 60% C	TrustTherm/IEC	TrustTherm/IEC 50% C	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC	TrustTherm/IEC 85% C	TrustTherm/IEC 90% C	Processed/Lab
											60% C	None Detected	50% C			None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	TrustTherm/IEC 30% C 5% A 5% CR	85% C	90% C	RESULTS				

Code: (CR = Crocidolite) (A = Amosite) (C = Chrysotile)

BULK SAMPLING FORM

TRUST THERMAL SYSTEMS 629 E. SHERIDAN RD. LANSING, MI 48906

SENT TO:

Industrial Environmental Consultants 1350 East Lake Lansing Rd. East Lansing, MI 48823 (517) 351-4002

Homogeneous Area (see maps)

GRAND RAPIDS PUBLIC SCHOOLS STOCKING ELEMENTRAY 863 Seventh Street NW Grand Rapids, MI 49504 Area 1 = Area 2 = Area 3 = Area 4 =

Submitted by: TERRY FULK # I 0109

Result	Samp	le ID	-4	Area mm/dd/yy	Location +
	RSE-1			8/8/88	Old air duct, 200 ln. ft. Attic, NW sec. NF
C 85%	"	02		n	Supply 6" line, 100 ln. ft. Attic, NW sec in SE corner
C30,A5,	11	03		at	Elbow, NE side of attic hall
CR5%	*1	04	0	11	Air Duct, NE attic hall end
ND	41	05		tr	Drywall, upper air tower, attic, Drywall, 8 window panels 3x5
ND	41	06		11	HP, E/W air passage , attic
	11	07	0	"	HP, NW corner S air passage attic
	47	08	0	51	HP, attic - air passage
ND	*1	09		18	2nd floor, HP,right middle of new fire escape
ND	u	. 10			Rm 14 C-tile in entry at hall "worm hole" pattern
ND	11	11		11	C-tile #11 12x12 "random hole"
ND	•	12		rı.	SW stair, C-tile 1x1 "ordered hole"
ND	, 11	13		n	Boys 2nd r/r, D-wall 10x15
C 60%	11	14		н	Rm 5, tunnel acces, PW
ND	•	15		п	Kit storage tile mastic
C 50%	**	16		ıı	El, rm. # , tunnel access
ND	n	17		"	Boiler room - firewall @ back of
C 60%	11	18		n	boiler Smoke duct on top of boiler

POLARIZED LIGHT MICROSCOPY RESULTS INDUSTRIAL ENVIRONMENTAL CONSULTANTS, LTD.

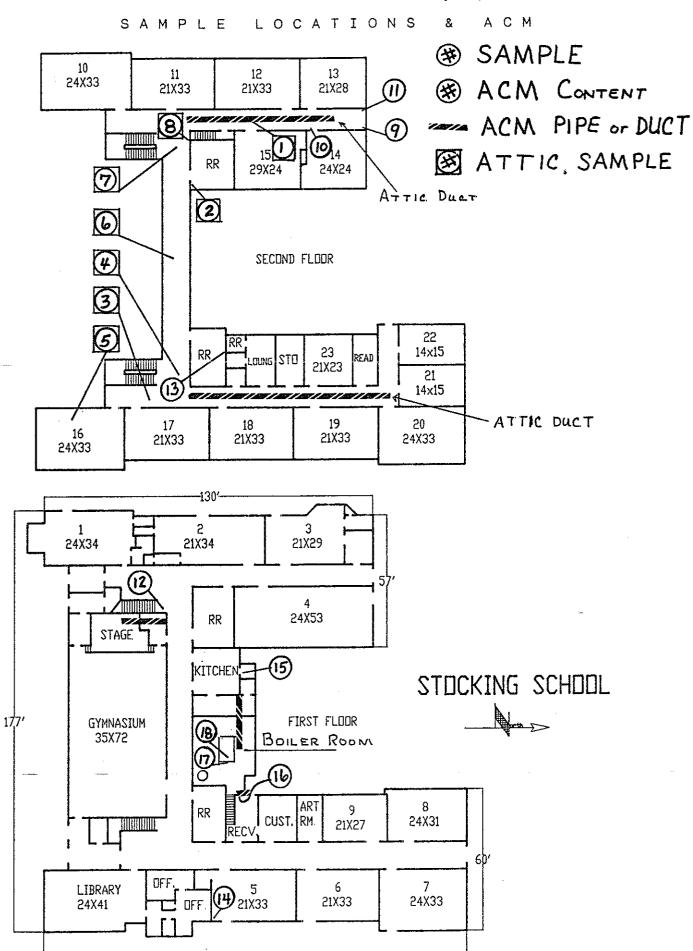
CLIENT: Trust Thermal Systems

PA#: 8932

DATE: August 15, 1988

ATTENTION: Mr. Terry Fulk DATE: August 15, JOB SITE: Grand Rapids Public Schools - Stocking Elementary

CLIENT ID	IEC LAB NO.	ASBESTOS TYPE	8	NON-ASBESTOS TYPE	%
				š	
GRSE-1-1	16100	Chrysotile	90	Mortar	10
GRSE-1-2	16101	Chrysotile	85	Mortar	15
GRSE-1-3	16102	Chrysotile Crocidolite Amosite	30 5 5	Mortar	60
GRSE-1-5	16103	N.D.	<1	Mortar Cellulose Fibrous Glass	90 5 5 5
GRSE-1-6	16104	N.D.	<1	Mortar	100
GRSE-1-9	16105	N.D.	<1	Mortar	100
GRSE-1-10	16106	N.D.	<1	Mineral Wool Cellulose Polystyrene Mortar	35 35 25 5
GRSE-1-11	16107	N.D.	<1	Mortar Cellulose Fibrous Glass	95 1 s 4
GRSE-1-12	16108	N.D.	<1	Mortar	100
GRSE-1-13	16109	N.D.	<1	Mortar Cellulose	85 15
GRSE-1-14	16110	Chrysotile CONTINUED	60	Cellulose Mortar	30 10



and the state of

ASBESTOS FIRE DOORS

The location of all known or assumed asbestos-containing fire doors in this building can be found in the asbestos location section of this book. All of the remaining fire doors are asbestos free. Some were removed from the Management Plan because they contained no ACBM and others were added to the building after 1990 and therefore are asbestos free and will not be found in the Management Plan (see the accompanying certification). We are only keeping track of known or assumed asbestos-containing fire doors from this point on.

Bruce Johnson 3-12-98

JAN 26 '98 15:36 FF

7789816356 TO 19202331273

P. 82/89

Georgia-Pacific



GEORGIA-PACIFIC MINERAL CORE MATERIAL SAFETY DATA SHEET 73C Page 1 of 4

MATERIAL SAFETY DATA SHEET

Effective Date: 2/20/95 Supercedes Oate: 4/8/92

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mineral Core

PRODUCT USE: Care fo

Core for firedoor and lemperature rise doors

MANUFACTURED BY:

Georgia-Patific Corporation 133 Peachtree Street, N.E.

E0E0E AD ,straitA

(404)987-3190 (Technical Information) (404)652-5119 (MSDS Request)

SECTION 2. COMPOSITION INFORMATION ON INGREDIENTS

*··				
COMPONENT	% BY WT.	CAS NO.	OSHA PEL	ACGIH ILV
Gypsum (calcium sulfate)	10-30	7778-18-9	15 mg/m ³ Total Dust 5 mg/m ³ Respirable Dust	10 mg/m ³ Total Dust
Parlice	50-75	NONE	15 mg/m³ Total Pust	10 mg/m³ Total Oust
		•	5 mg/m² Respirable Dust	
Portland Camens	1-15	65997-15-1	10 mg/m ³ Total Dust	10 mg/m³ Total Dust
			5 mg/m³ Respirable Duct	
Polyvinyl Alcohol	1-5	9002-89-5	None	None
Plenglass Continuous	<1	G5997-17-3	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Filament (nonrespirable)		•		

Gyosum, perlite and portland coment contain naturally occurring crystalline silica, generally of the quartz form. Due to its natural occurance, the exact percentage of crystalline silica is unknown. Both the OSHA PEL and ACGIH TLV are 0.1 mg/m² for respirable quartz dust.

Exposure limits are in accord with those recommended by OSHA in the 1989 revision of PELS.

SECTION 3. HAZARDS IDENTIFICATION

DESCRIPTION: Gray composite door core panel

EMERGENCY OVERVIEW

Curting, sanding or otherwise machining this product(s) may generate large amounts of dust. Dust may cause upper respiratory tract, lung, nasal, eye and skin interior.

POTENTIAL HEALTH EFFECTS

SKIN CONTACT: Handling may cause dry skin. Purblind tement may eause dermatitis. Glass fibers may produce itching and temporary irritation.

INHALATION: The continuous filament fiberalass contained in this product is considered nonresoirable.

Cutting, sanding or otherwise machining this product, however, may generate dust including glass fiber dust.



Material Safety Data Sheet Mineral Core Fire Doors

Weyerhaeuser Company Tacoma, WA 98477

Emergency Phone: (206) 924-5000

Additional Information: (206) 924-3865

le Preductification

Product	Manufacturing Location
Mineral Core Fire Dears	
Mineral Core Fire Doors	Marshfield, WI

Synonyms: 45, 60, or 90 Minute Fire Doors.

แอบรถเดินสำคัญโทยไอโซต์กอโซต์อาเซนอีกรรรฐ

Name	CAS#	Percent	Agency	Exposure Limits	Comments
Calcium silicate	1344-95-2	51-73	OSHA OSHA ACGIH	PEL-TWA 15 mg/m3 PEL-TWA 5 mg/m3 TLV-STEL 10 mg/m3	Total dust Respirable dust fraction Total dust containing no asbestos and <1% crystalline silica
Door Faces:		17			
- Wood	None		See below under wood		
- Paper	9004-34-6		OSHA	PEL-TWA 15 mg/m3	Total dust
(cellulose)		i	OSHA	PEL-TWA 5 mg/m3	Respirable dust fraction
			ACGIH	TLV-TWA 10 mg/m3	Total dust
- Plastic	None		OSHA	PEL-TWA 15 mg/m3	Total dust
			OSHA	PEL-TWA 5 mg/m3	Respirable dust fraction
		_	ACGIH	TLV-TWA 10 mg/m3	Total dust
Inert	Proprietary	6-9	OSHA	PEL-TWA 15 mg/m3	Total dust
ingredients1	information1	1	OSHA	PEL-TWA 0.1 mg/m3	Respirable dust fraction
_		1	ACGIH	TLV-STEL 0.1 mg/m3	Respiable faction containing
		1	{	<u> </u>	respiable quartz
Wood	None	4-8	OSHA	PEL-TWA 15 mg/m3	Total dust
	1		OSHA	PEL-TWA 5 mg/m3	Respirable dust fraction
			ACGIH	TLV-TWA 5 mg/m3	Softwood total dust
4.		1	ACGIH	TLV-STEL 10 mg/m3	Softwood total dust
		1	ACGIH	TLV-TWA 1 mg/m3	Selected hardwood total dust
	Ì	1			(beech, cak, others)
	•		Recommended ²	PEL-TWA 5 mg/m3	Softwood or hardwood
	1	1			total dust
	"		Recommended ²	PEL-STEL 10 mg/m3	Softwood or hardwood
		1	11000111111111111		total dust
			Recommended ²	PEL-TWA 2.5 mg/m3	Western red cedar total
	1	1			dust
Resin Solids	None	<1	OSHA	None	None
T-SHI GOING	14016	[]	ACGIH	None	
Composite	Proprietary	0-15	OSHA	PEL-TWA 15 mg/m3	Total dust
material ¹	information ¹	0-13	OSHA	PEL-TWA 5 mg/m3	Respirable dust fraction
Herciki	BUNITIATION	1	ACGIH	TLV-TWA 10 mg/m3	Total dust containing no
		1 .	ACOIL	1 154-11AV IQUIQUIO	asbestos and <1%
			1		crystalline silica
			OSHA	PEL-TWA 0.1 mg/m3	Respirable dust fraction
]	1		TLV-TWA 0.1 mg/m3	Respirable dust fraction
	· ·	1	ACGIH	PEL-TWA 5 mg/m3	Total dust
			OSHA		Total dust
	l	I	ACGIH	TLV-TWA 10 mg/m3	1 Otal Gust

FIRE DOORS

The Management Plan states that all fire doors in this building are assumed to contain asbestos material. During the reinspection we found that some of these doors were hollow or they were filled with fiber glass. Therefore, we are eliminating them from the list of fire doors found in the Management Plan because they contain no suspect material.

However, there are still some fire doors that are assumed to contain asbestos and they are still part of the Management Plan. Their locations can be found by looking in the Asbestos Location Section found in the front of this book.

Bruce Johns 6-5-95

_

FIRE BRICK & BOILER GASKETS

THREE YEAR RE-INSPECTION 2010

DESIGNATED PERSON INFORMATION AND REINSPECTION APPROVAL

Designated Person:

Mark Chrusciel Manager of Maintenance GRAND RAPIDS PUBLIC SCHOOLS 900 Union Street, NE Grand Rapids MI 49503

Telephone Number: (616) 819-3010

Stocking Elementary School 863 Seventh NW

Building Name

This statement certifies that the three year re-inspection has been conducted by accredited persons and in accordance with the AHERA regulations. I have reviewed the revised plan, the recommended response actions and schedules, and approve for implementation.

Mark Chrusciel Manager of Maintenance

Signature

6-10-10

Date

THREE YEAR RE-INSPECTION 2010

This re-inspection was done in accordance with AHERA Act 763.85, Part B. All known Asbestos Containing and all assumed Asbestos Containing Material listed in the Management Plan was visually inspected to determine if there has been a change in the condition of the material from an undamaged state, to one showing damage.

The visual inspection was performed by Bruce Johnson and Richard Natte on the entire building with the use of the Management Plan, along with the past reinspections and all of the 6 months surveilances, to determine if there has been changes in the physical condition of any ACBM, and to assure that all past response actions and schedules were met.

Since the inside of this building has no friable ACBM, no assessment is necessary and we recommend all known Asbestos Containing and all assumed Asbestos Containing Material be maintained under an operation and maintanance program.

For quick reference, the ASBESTOS LOCATIONS section gives an updated list of all known or assumed ACBM locations found in this building. However, there may be ACBM located behind walls, above ceilings, or in areas that are not accessible. If ACBM is present in these areas, the condition of it is unknown and this should be a consideration before any remodeling or demolition is started.

THREE YEAR REINSPECTION 2010

Name of accredited inspectors and Management Planners who performed reinspection:

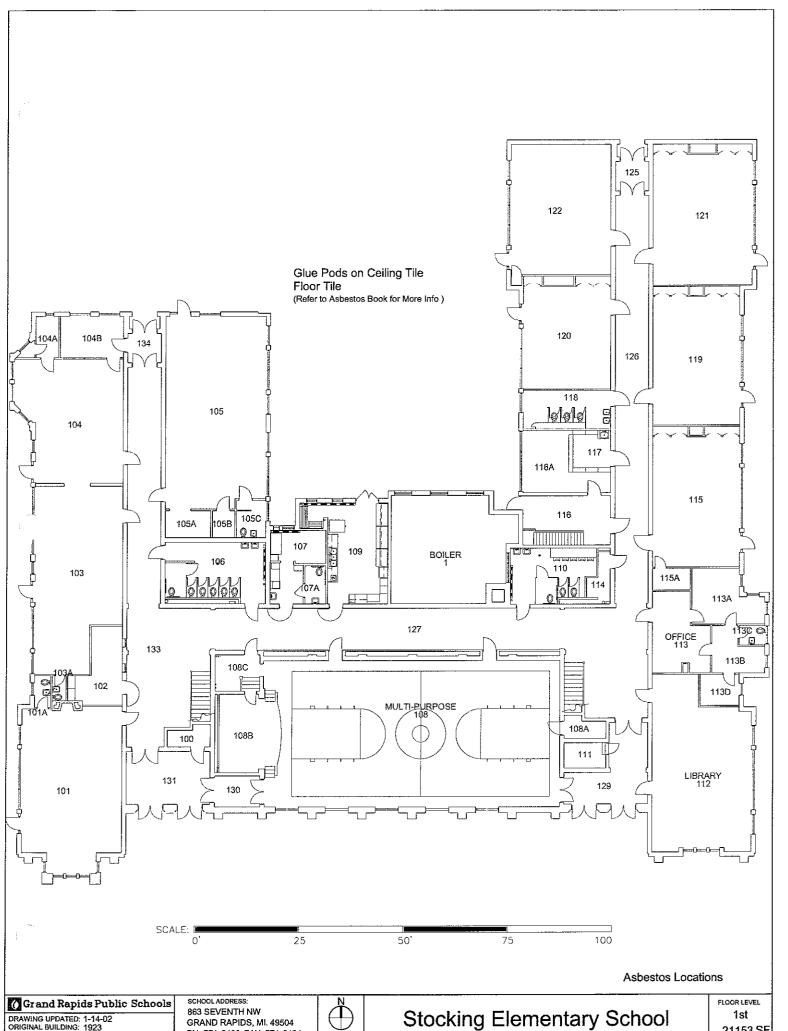
Signature: Bruce Johnson State License Number A7552
State License Number A7002
Name: Richard Natte
1 Maria Mateo
Signature: Rut A Vatt
State License Number A3550
Data: 9-30-10
Date: 7 30 70

Bruce Johnson

Name:

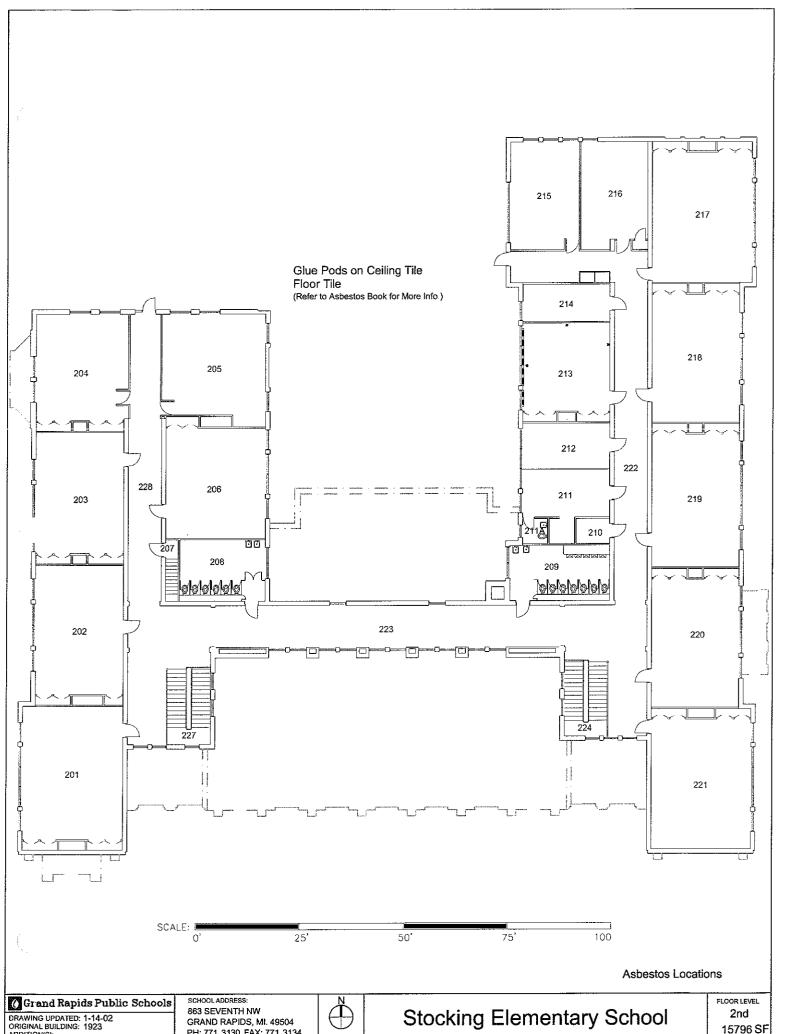
ASBESTOS LOCATIONS

Building	Stocking	Date _ April 20, 2004
Type of Mat	erial Floor Tile 9" x 9" and	12" x 12"
Friable asbes	stos or non-friable asb	Assumed to contain asbestos X pestos X A, 113B, 113D, 122, 126, 127, 133, 222, 223, 228
Type of Mate	erial Glue Pods on 12" x 12	2" Ceiling Tile
Friable asbes	stos or non-friable asb Rooms 101, 103, 104, 105, 1 202, 203, 204, 205, 206, 211,	Assumed to contain asbestos X estos X 05A, 108, 111, 112, 113, 113A,B, 115, 119, 120, 121, 213, 215, 216, 217, 218, 219, 220, 221, 126, 127, 133,
Type of Mate	erial FIRE BRICK	
Known to co Friable asbes Location		Assumed to contain asbestos S
Type of Mate	erial <u>Ro<i>illee GA</i>S</u> k	ETS.
Known to co Friable asbes Location		Assumed to contain asbestos
There also m to us.	ay be asbestos containing mat	terials in walls or above ceilings or behind barriers unknown
	can start. Reassessment must	erformed a reassessment of that area must be done first be in activity section of Management Plan at start of work.



DRAWING UPDATED: 1-14-02 ORIGINAL BUILDING: 1923 ADDITION(S):

863 SEVENTH NW GRAND RAPIDS, MI. 49504 PH: 771.3130 FAX: 771.3134



DRAWING UPDATED: 1-14-02 ORIGINAL BUILDING: 1923 ADDITION(S):

GRAND RAPIDS, MI. 49504 PH: 771.3130 FAX: 771.3134





APPENDIX K

FEMA AND NWI MAP



U.S. Fish and Wildlife Service

National Wetlands Inventory

Dec 21, 2011

Wetlands

Freshwater Emergent

Freshwater Forested/Shrub

Estuarine and Marine Deepwater

Estuarine and Marine

Freshwater Pond

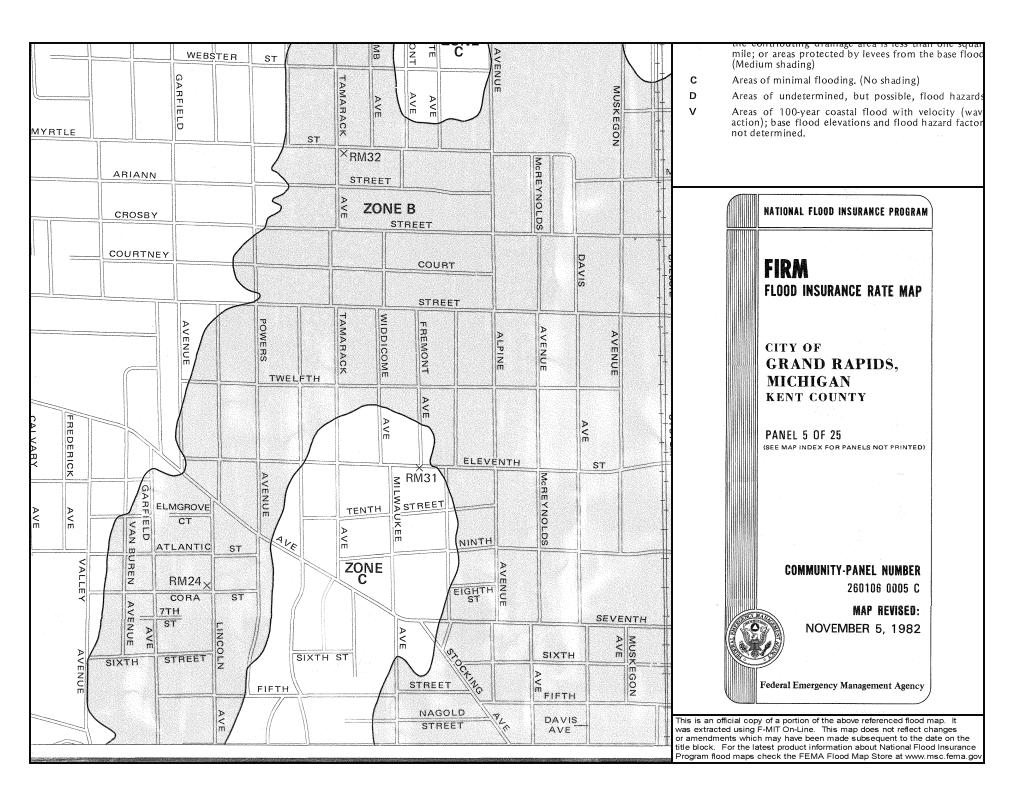
Lake

Riverine

Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:





APPENDIX L

NOISE ASSESSMENT SURVEY

Worksheet A Site Evaluatio	n			Noise Assessment Guidelines
80	o3 Seventh St. 1	VW, Gr	and Rapids, A	11
Site Location			, , , , , ,	
Program				
Project Name				
Locality				
File Number				
Sponeor's Name				Phone
Street Address				City, State
	Acceptability Gategory	DNL	Predicted for Operations in Year	
1. Roadway Noise				
2. Aircraft Noise	ACLEPTABLE	455		
3. Railway Noise	NORMALLY UNNAL.	MA 65		
Value of DNL for all n combination proced	noise equirces: (see page 3 for ure)	700 66	,	
Final Site Evaluation	on (circle one)			
Acceptable				
Normally Unaccepta	ble			
Unacceptable				
Signature	eah Morrisa	1		Date Dec 22,2014

Clip this worksheet to the top of a package containing Worksheets 8-E and Worksheets 1-7 that are used in the site evaluations

List all eirports within 15 miles of the site:		4.5		
1. Gerald R. Ford Interr		•		
2 Riverview Airport				_
3				No-
Necessary Information:	Airport 1	Airport 2	Airport 3	
Are DNL, NEF or CNR contours available? (yes/no)	Yes	No	-	-
Any supersonic aircraft operations? (yes/no)	No	NO		The state of the s
3. Estimating approximate contours from Figure 3:				
a. number of nighttime jet operations	NIA	NIA		-
b. number of deylime jet operations				-
c. effective number of operations (10 times a + b)				-
d. distance A for 65 dB	-			-
70d8				
75 dB				
e. distance B for 65 dB				
70 d B				
75 dB				
4. Estimating DNL from Table 2:				
a. distance from 85 dB contour to flight path, D1	N/A	N/A		
b. distance from NAL to flight path, D2				
c. D ² divided by D ¹				
d. DNL				
i. Operations projected for what year?	2005	2009		
3. Total DAL from all airports		265	,	
and Yeah Morriso	<u>~</u>			Dec 22, 2011

Worksheet C Roadway Noise	Page 1				Noise Assessment Guidelines
List all major roads within 1000 feet of the alte:					
1 NONE					
2					
3					
4				·	
Necessary Information	Road 1	Road 2		Road 4	
Distance in feet from the NAL to the edge of the road					
a nearest lane			-		
b. farthest lene					
c. average (effective distance)	-			-	
. Distance to stop sign					
). Fload gradient in percent					
. Average speed in mph					
a. Automobiles					
b. heavy trucks - uphili					
c. heavy trucks - downhiti					
24 hour average number of automobiles and medium trucks in both directions (ADT)					
a. automobiles					
b. medium trucks					
c. effective ADT (a + (10xb))					
24 hour average number of heavy trucks					
a. uphili					
b. downhill					
c. total					
Fraction of nighttime traffic (10 p.m. to 7 a.m.)	\$-0				
Proffice and the state of the s					

Worksher Roadway			Page 2			Moles	Assessme	nt Quideline	NO
Adjustment	for Automobi	le Traffic							
	9 Stop and-go Table 3	10 Average Speed Table 4	11 Night- Time Table 5	12 Auto ADT (line 5c)	Adjusted Auto ADT	14 DNL (Workshar	15 Barrie t 1) Allen	r F	16 Partial ONL
Road No. 1	-	X	_ x	_x					
Road No. 2		x	_ x	. x	=			=_	
Road No. 3		X	_ x	x				=	
Road No. 4		_ x	_ x	х	-			=_	
Adjustments	for Heavy Truc	ok Traffic			-				
***************************************	17 18 Av Gradient Sp Table 6 Ta	erage Truck	20 21	22 Stop and-go Table 8	23 Night- Time Table 5	24 Adjusted Truck ADT	25 DNL (Work- chart 2)	26 Berrier Attn.	27 Partial DNL
-Uphili	X	x=							
Road No.1			Add	_ x	_x				_ •
-Downhill	_	x=							
-Uphill	X	x=							
Road No. 2			Add	_ x	_ X				_ =
-Downhill	_	X =.							
-Uphill	x	X=							
Road No. 3			Add	_ x	_x	=			_ =
Downhill	_	X=							
-Uphili	X	x=							
load No. 4			Add	_ ×	_ X	jn			, =
Downhill	_	X=							
ombined Auto	omobile & Hear	ry Truck ONL							
toed No. 1	Road	I No. 2	Road No. 3		I No. 4	Total DN All Road			
ignature	000e y	rahl	lorusa	<u></u>		Date	Dec 2	2,2011	

Worksheet D Railway Noise	Page 1		Holee Assessment Quidelines
List All Reliways within 3000 feet of the site:			
1. (SX Rail Road			
2		elliga blassilika nazangkilang lilikansana ana pilang baya.	
3			
decessary information:	Rathway No. 1 Rethrey No. 2	Pallway No. 3	
. Distance in feet from the NAL to the railway t	reck: 1800 FT		
Number of trains in 24 hours:			
8. diesel	15		
b. electrified	0		
Fraction of operations occurring at night (10 p.m 7 a.m.):	50%		
Number of dieset locomotives per train.	2	¥ 100-100-100-100-100-100-100-100-100-100	
Number of rail cars per train:			
a. diesel trains	50		
b. electrified trains	6		
Average train speed:	25		
is track welded or bolled?	W		
Are whietles or homs required for grade crossings?	Yes		

Worksheet Railway Noi	_	Page 2				Notes Assessment Guidelines			
Adjustments fo	or Dissel Loco	motivee					· · · · · · · · · · · · · · · · · · ·		
	9 No. of	10 Average	11	12 Night-	13 No. at	14	15	16	17
	Locomptives 2	Speed Table 9	Home (enter 10)	time Table 5	Trains (line 2a)	Adi. No. of Opns.	DNL Workshart 3	Barrier Attn.	Partiel DNL
Railway No. 1	2	x 1.25	x <u>10</u>	x 2,34	x 15	<u> </u>	le le	NIA	- ma ce ce
Railway No. 2		x	x	x	. x	=		-	
Flailway No. 3		X	×	x	¥	_			
	r Reilwey Cairs 18 Number of cars 50	or Repid Tra 19 Average Speed Table 10	20 Bolled Palls (enter 4)	21 Night- time Table 5	22 No. of Trains (Lin 2s or 2b)	23 Adj. No. of Opns.	24 DNL Work- chart 4	25 Barrier Attn	26 Partial DNL
Railway No 1	-1	x 6.72	x NIA	2.34	x _ 15	_ 25	450	N/A	_ 450
Railway No. 2		x:	۲)	·	x	=			=
Railwey No. 3		x;	· ›	·	x	=			=
Sombined Loco	motive and Re	hway Car DH							
tailway No. 1	76								

signam Yell	Morrison	Dec 22,7011



APPENDIX M

CERTIFICATE OF INSURANCE

Terra Insurance Company (A Risk Retention Group) Two Fifer Avenue, Suite 100 Corte Madera CA 94925



CERTIFICATE OF INSURANCE

DATE

01/23/12

NAME AND ADDRESS OF INSURED

Neyer, Tiseo & Hindo, Ltd. DBA NTH Consultants, Ltd. 608 S. Washington Lansing, MI 48933

This certifies that the "claims made" insurance policy (described below by policy number) written on forms in use by the Company has been issued. This certificate is not a policy or a binder of insurance and is issued as a matter of information only, and confers no rights upon the certificate holder. This certificate does not alter, amend or extend the coverage afforded by this policy.

The policy of insurance listed below has been issued to the insured named above for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions and conditions of such policy. Aggregate limits shown may have been reduced by paid claims.

TYPE OF INSURANCE	Professional/Environmental Liability				
POLICY NUMBER 212075	EFFECTIVE DATE 01/01/12	EXPIRATION DATE 12/31/12			
LIMITS OF LIABILITY	\$1,000,000 EACH CLAIM \$2,000,000 ANNUAL AGGREGATE				

PROJECT DESCRIPTION

74-090095-Grand Rapids EPA Brownfield Grant

CANCELLATION If the described policy is cancelled by the Company before its expiration date, the Company will mail written notice to the certificate holder thirty (30) days in advance, or ten (10) days in advance for non-payment of premium. If the described policy is cancelled by the insured before its expiration date, the Company will mail written notice to the certificate holder within thirty (30) days of the notice to the Company from the insured.

CERTIFICATE HOLDER

ISSUING COMPANY: TERRA INSURANCE COMPANY (A Risk Retention Group)

Michigan State Housing Development Authority 735 East Michigan Avenue Lansing, MI 48912

President